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OCCUPATIONAL SURVEY REPORT

FUELS

AFSC 2FOX1

OSSN 2385

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**OCCUPATIONAL ANALYSIS PROGRAM
AIR FORCE OCCUPATIONAL MEASUREMENT SQUADRON
AIR EDUCATION AND TRAINING COMMAND
1550 5TH STREET EAST
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PREFACE

This report presents the results of an Air Force Occupational Survey of AFSC 2F0X1, Fuels career ladder. Authority to conduct occupational surveys is contained in AFI 36-2623. Copies of this report and pertinent computer printouts are distributed to the Air Force Functional Manager, the operations training location, all major using commands, and other interested operations and training officials.

Mr. Scott Vap developed the survey instrument. Dr. Robert M. Yadrick analyzed the data and wrote the final report. Ms. Karen Tilghman provided computer programming support and Ms. Dolores Navarro provided administrative support. Lieutenant Colonel Roger W. Barnes, Chief, Airman Analysis Section, Occupational Analysis Flight, Air Force Occupational Measurement Squadron, reviewed and approved this report for release.

Additional copies of this report can be obtained by writing to AFOMS/OMYXI, 1550 5th Street East, Randolph AFB Texas 78150-4449, or by calling DSN 487-5543. For information on the Air Force occupational survey process or other on-going projects, visit our web site at <http://www.omsq.af.mil>.

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SUMMARY OF RESULTS

1. **Survey Coverage:** The Fuels career ladder, AFSC 2F0X1, was surveyed to gather data needed to guide the development and evaluation of training. This survey includes all three components – Active Duty (AD), Air National Guard (ANG), and Air Force Reserve Component (AFRC).
2. **Career Ladder Structure:** Structure analysis identified five clusters and seven jobs: Mobile Distribution Operations Cluster, Hydrants/Bulk Storage Cluster, Flight Information Service Center (FISC) Cluster, Management/Supervision Cluster, Training Cluster, Fuels Lab Job, Cryogenics Job, Environmental/Safety Compliance Job, Fuel Controller Job, Fuel Accountant Job, LAN/Computer Systems Support Job, and MAJCOM Functional Manager Job.
3. **Career Ladder Progression:** Personnel entering the career ladder complete the initial technical training course, J3ABR2F0X1-000 Fuels Apprentice. This course is 6 weeks 1 day in length and is conducted at Sheppard AFB, TX. AFSC 2F0X1 AD personnel follow a typical career progression pattern that includes a decrease in technical task performance and an increase in supervisory performance at the 5- and 7-skill levels, and performance of almost exclusively supervisory and managerial tasks at the 9-skill level.
4. **Training Analysis:** Matching survey data to the AFSC 2F0X1 Specialty Training Standard (STS) revealed that the document is well supported by survey respondents – only three performance-coded elements were found to be performed by fewer than 20 percent of first-term personnel. On the other hand, a number of tasks were identified that are being performed by more than 20 percent of first-term airmen but which are not referenced to the STS.
5. **Job Satisfaction Analysis:** Overall, AFSC 2F0X1 AD members in the 1-48 months Total Active Federal Military Service (TAFMS) and 49-96 months TAFMS categories were generally somewhat less satisfied with their jobs, according to such indicators as expressed job interest, perceived use of talent, and sense of accomplishment, when compared to members of other Logistics AFSCs surveyed in 1998. They were, however, moderately satisfied according to the perceived use of training indicator, and their reenlistment intentions were comparable to the other Logistics AFSCs. These indicators were generally equivalent to those for the comparative sample for the 97+ months TAFMS category. Slightly lower satisfaction levels were also found when compared to the previous Occupational Survey study, conducted in 1995, including an appreciable decline in reenlistment intentions over the past few years.

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**OCCUPATIONAL SURVEY REPORT (OSR)
FUELS CAREER LADDER
(AFSC 2F0X1)**

INTRODUCTION

This is a report of an occupational survey of the Fuels career ladder, conducted by the Occupational Analysis Flight, Air Force Occupational Measurement Squadron (AFOMS). This report ensures that current data are available for use in guiding the development and evaluation of training and support planned changes within this career ladder. This survey includes all three components – Active Duty (AD), Air National Guard (ANG), and Air Force Reserve Component (AFRC) – in a single study. The previous OSR was completed in August 1995, and reported on a specialty that was diverse but which had been stable for some time. That is, there have been no dramatic mergers or divisions in this specialty for some time.

As described in AFMAN 36-2108, *Airman Classification*, dated 31 Oct 99, Specialty Description dated 31 October 1998, members of the 2F0X1 career field are responsible for maintaining and operating petroleum, missile, alternative and cryogenic facilities and equipment; receiving, storing, and issuing petroleum fuels and cryogenics products; performing quality analysis on petroleum and cryogenics products; performing operator maintenance on fuels-handling equipment and facilities; preparing accounting documents for fuels and cryogenic products; and operating specialized mobility fuels equipment.

The technical training school for this AFSC is located at Sheppard AFB, TX. The J3ABR2F031-000 Fuels Apprentice course is 6 weeks 1 day in length and provides training in the receipt, storage, issue, and quality control of petroleum and cryogenics products; Air Force publications and base fuels management office accounting forms; automated data processing; and inspection, operation, and operational maintenance of storage and dispensing equipment, including fuels servicing vehicles. The Community College of the Air Force awards 12 credit hours upon course completion.

Entry into AFSC 2F0X1 requires an Armed Forces Vocational Aptitude Battery (ASVAB) "Mechanical" score of 44, "General" score of 39, and a Strength requirement of "K" (weight lift of 70 lb.).

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SURVEY METHODOLOGY

Inventory Development

The data collection instrument for this occupational survey was USAF JI OASN 2385, dated May 1999. A tentative task list was prepared following review of the previous task list supplemented by pertinent career ladder publications and was refined through interviews with 49 Subject-Matter Experts (SMEs) at four operational bases and one training site. The inventory contains a comprehensive listing of 618 tasks grouped into 14 duty areas, as well as background questions concerning job title; time in career field and present job; job satisfaction; and base and command of assignment. Background information also included primary and duty AFSC; paygrade; equipment used, and Fuels courses completed. The new questions concerning reasons for any job dissatisfaction or intentions to separate from the Air Force were included. The Career Field Manager (CFM) requested information on work schedule, the date of award of SEIs, and the date of SEI last use. Besides for the CFM, others contacted included the major command (MAJCOM) functional managers, career field CDC writer, and the AETC Training Manager.

<u>BASE</u>	<u>REASON FOR VISIT</u>
Sheppard AFB TX	Technical Training School
Eglin AFB FL	AFMC base; daily real-world support; most STS tasks performed
Dyess AFB, TX	ACC base; key CONUS location; supports large bomber mission; most STS tasks performed
MacDill AFB, FL	AMC base; Cryogenics 7-level course
Travis AFB, CA	Largest AMC base with regard to equipment and manpower; departure point for Pacific/Asia locations

Survey Administration

From May 1999 through August 1999, base training offices at operational bases worldwide, and ANG and AFRC units, administered the inventory to all eligible DAFSC 2F0X1 personnel. All assigned 3-, 5-, 7-, and 9-skill level members were eligible, excluding the following: (1) hospitalized personnel; (2) personnel in transition for a permanent change of station; (3) personnel retiring within the time the inventories were administered to the field; and (4) personnel who had been in their present jobs for less than six weeks. Participants were selected from a computer-generated mailing list obtained from personnel data tapes maintained by Air Force Personnel Center, Randolph AFB TX.

Each respondent first completed the identification and biographical/background information sections, then checked each task performed in his or her present job. After checking the tasks performed, each individual rated those tasks he or she had checked on a 9-point scale showing relative time spent on that task, compared to other tasks performed. The ratings ranged from 1 (very small amount time spent) to 9 (very large amount time spent).

To determine relative time spent for each task, all of the incumbent's ratings are assumed to account for 100 percent of time spent on the job and are summed. Each task rating is then divided by the total task ratings and multiplied by 100 to provide a relative percentage of time spent on each task.

Survey Sample

All eligible members were surveyed in an effort to ensure that the sample reflected an accurate representation across MAJCOMs and paygrades. Table 1 shows the distribution of the survey sample by MAJCOM, while Tables 2, 3, and 4 reflect the survey distribution by paygrade groups for AD, ANG, and AFRC personnel, respectively. All additional tables referenced in the text of this OSR (Tables 5 through 53) can be found in Appendix B.

Task Factor Administration

Job descriptions alone do not provide sufficient data for making decisions about career ladder documents or training programs. Task factor information is needed for a complete analysis of the career ladder. To obtain the needed task factor data, selected senior AFSC 2F0X1 personnel (generally E-6 or E-7 craftsmen) also completed a second disk for either training emphasis (TE) or task difficulty (TD). The TE and TD disks were processed separately from the JIs. This information is used in a number of analyses discussed in more detail within this report.

Training Emphasis (TE). Training emphasis is defined as the degree of emphasis that should be placed on each task for structured training of entry-level job personnel. Structured training is defined as resident technical schools, field training detachments, mobile training teams, formal on-the-job training (OJT), or any other organized training method. Forty experienced AFSC 2F0X1 Active Duty (AD) noncommissioned officers (NCOs) rated the tasks in the inventory on a 9-point scale ranging from 1 (extremely low) to 9 (extremely high training emphasis). Overall agreement among these raters was very good. The average TE rating for this study is 1.80, with a standard deviation of 1.68. Tasks with a TE rating of 3.48 or greater are considered important to train new AFSC 2F0X1 personnel to perform.

Task Difficulty (TD). Task difficulty is defined as the amount of time needed to learn to perform each task satisfactorily. Forty-five experienced AFSC 2F0X1 NCOs rated the difficulty of the tasks in the inventory using a 9-point scale ranging from 1 (extremely low difficulty) to 9 (extremely high difficulty). Interrater agreement among these respondents was likewise very good. TD ratings are normally adjusted so that tasks of average difficulty have a value of 5.00 and a standard deviation of 1.00. Any task with a difficulty of 6.00 or greater is therefore considered difficult to learn.

When used in conjunction with the primary criterion of percent members performing, TE and TD ratings can provide insight into the appropriate training requirements for personnel in their first career field job. Such insights may suggest a need for lengthening or shortening portions of instruction supporting AFSC entry-level jobs.

TABLE 1
MAJCOM REPRESENTATION OF TOTAL SAMPLE

<u>COMMAND</u>	<u>PERCENT OF ASSIGNED*</u>	<u>PERCENT OF SAMPLE</u>
AMC	15	17
ACC	22	22
USAFE	8	8
PACAF	11	14
AETC	6	8
AFMC	3	2
AFSOC	1	1
ANG	25	20
AFRC	8	6
OTHER**	***	2
TOTAL ASSIGNED		5,371
TOTAL ELIGIBLE		4,821
TOTAL IN SAMPLE		2,498
PERCENT OF ASSIGNED IN SAMPLE		47%
PERCENT OF ELIGIBLE IN SAMPLE		52%

* As of May 1999

** Other includes AFSPC, AFDW, AFLMA, AFPC, CENTC, EUR, LANTC, PACOM, USSOU, & ZBF

*** Denotes less than 1 percent

TABLE 2
PAYGRADE DISTRIBUTION OF
AD SAMPLE

<u>PAYGRADE</u>	<u>PERCENT OF ASSIGNED*</u>	<u>PERCENT OF SAMPLE</u>
E-1 -- E-3	28	28
E-4	26	24
E-5	25	28
E-6	11	11
E-7	8	7
E-8	2	2

* As of May 1999

TABLE 3
PAYGRADE DISTRIBUTION OF
ANG SAMPLE

<u>PAYGRADE</u>	<u>PERCENT OF ASSIGNED*</u>	<u>PERCENT OF SAMPLE</u>
E1 -- E-3	2	2
E-4	17	14
E-5	40	42
E-6	25	26
E-7	11	12
E-8	5	4

* As of May 1999

TABLE 4
PAYGRADE DISTRIBUTION OF
AFRC SAMPLE

<u>PAYGRADE</u>	<u>PERCENT OF ASSIGNED*</u>	<u>PERCENT OF SAMPLE</u>
E1 -- E-3	3	1
E-4	16	12
E-5	37	39
E-6	29	36
E-7	13	11
E-8	2	1

* As of May 1999

CAREER LADDER STRUCTURE

The first step in the analysis process is to identify the structure of the career ladder in terms of the jobs performed by the respondents. The Comprehensive Occupational Data Analysis Program (CODAP) assists by creating an individual job description for each respondent based on the tasks performed and relative amount of time spent on these tasks. The CODAP automated job clustering program then compares all the individual job descriptions, locates the two descriptions with the most similar tasks and time spent ratings, and combines them to form a composite job description. In successive stages, CODAP either adds new members to this initial group or forms new groups based on the similarity of tasks and time spent ratings.

The basic group used in the hierarchical clustering process is the **Job**. When two or more jobs have a substantial degree of similarity in tasks performed and time spent on tasks, they are grouped together and identified as a **Cluster**. The job structure resulting from this grouping process (the various jobs within the career ladder) can be used to evaluate the changes that have occurred in the AFSCs since the previous OSR. The above terminology will be used in the discussion of the AFSC 2F0X1 career ladder.

Overview of Specialty Jobs

Based on the analysis of tasks performed and the amount of time spent performing each task, six clusters and eight jobs were identified within the Fuels career ladder. Figure 1 shows the jobs performed by AFSC 2F0X1 personnel, and a description of the career ladder structure follows.

A listing of the clusters and jobs is provided below. The stage (STG) number shown beside each title references computer-printed information; the letter "N" represents the number of personnel in each group.

I. MOBILE DISTRIBUTION OPERATIONS CLUSTER (STG055, N = 606)

- A. Mobile Distribution Job
- B. Basic Mobile Distribution Job
- C. Fuel Distribution Monitor Job
- D. Mobile Distribution/Cryogenics Job
- E. Safety/Preventive Maintenance Job

II. HYDRANTS/BULK STORAGE CLUSTER (STG110, N = 510)

- A. Hydrants Job
- B. Initial Bulk Storage Job
- C. Bulk Storage Job

III. FLIGHT INFORMATION SERVICE CENTER (FISC) CLUSTER (STG134, N = 295)

- A. Basic FISC Job
- B. FISC Job

IV. MANAGEMENT/SUPERVISION CLUSTER (STG141, N = 280)

- A. Flightline Shift Supervisor/NCOIC Job
- B. Bulk Storage NCOIC Job
- C. Superintendent Job

V. TRAINING CLUSTER (STG166, N = 70)

- A. OJT Managers/Schedulers Job
- B. OJT Job

VI. FUELS LAB JOB (STG259, N = 94)

VII. CRYOGENICS JOB (STG333, N = 56)

VIII. ENVIRONMENTAL/SAFETY COMPLIANCE JOB (STG248, N = 41)

- IX. FUEL CONTROLLER JOB (STG271, N = 148)
- X. FUEL ACCOUNTANT JOB (STG326, N = 133)
- XI. LAN/COMPUTER SYSTEMS SUPPORT JOB (STG270, N = 23)
- XII. MAJCOM FUNCTIONAL MANAGER JOB (STG176, N = 11)

The respondents forming these groups account for 91 percent (2,267 out of 2,498) of the survey sample. The remaining 9 percent were performing tasks that did not group clearly with any of the other defined jobs.

Group Descriptions

The following paragraphs contain brief descriptions of the five clusters and seven jobs identified through the career ladder structure analysis. Tables in Appendix A list representative tasks performed by members of the clusters and jobs. Table 5 (Appendix B) displays time spent on duties by all the members of these career ladder jobs, while Tables 6, 7, and 8 give the same information for AD, ANG, and AFRC personnel, respectively. Table 9 provides demographic information for each cluster and job discussed within this report, while Tables 10, 11, and 12 provide demographic information for AD, ANG, and AFRC groups, respectively. When Total Active Federal Military Service (TAFMS), Time in Present Job (TIPJ), and Time in Career Field (TICF) data are given in the group descriptions below, information concerning ANG and AFRC is not included because these personnel measure accrued time differently from AD personnel.

**IDENTIFIED JOB STRUCTURE AND PERCENTAGES OF
TOTAL SURVEY SAMPLE**

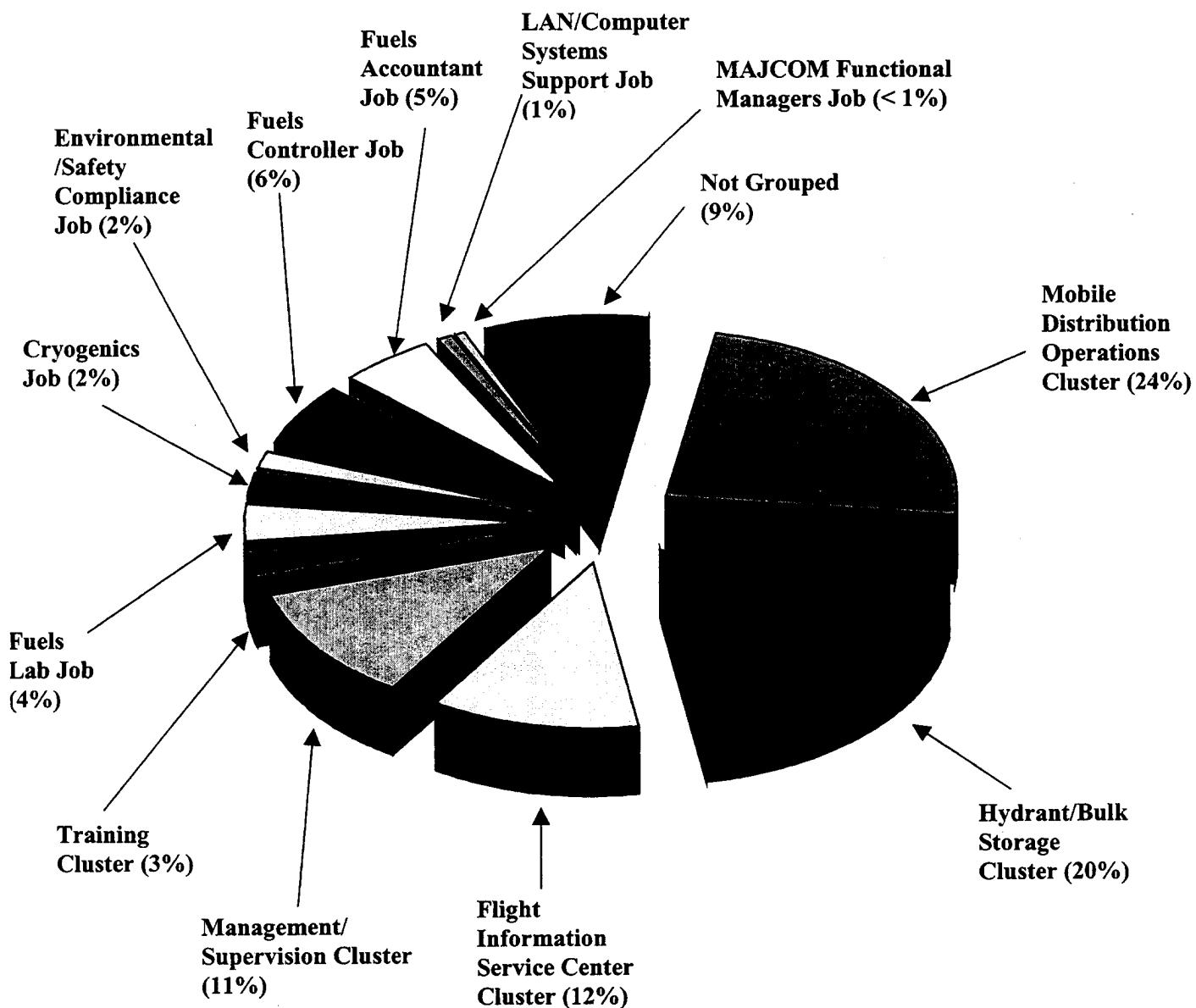


FIGURE 1

I. MOBILE DISTRIBUTION OPERATIONS CLUSTER (STG055).

The 606 members of this cluster comprise 24 percent of the career field. The cluster is relatively homogeneous, and most of the differences between the seven jobs identified within the cluster are due to normal career progression and differences in emphasis on some duty areas over others. These jobs will be discussed below. Members perform an overall average of 25 tasks, spending (see Table 5 in Appendix B) 36 percent of their work time on fuels distribution tasks (Duty Area F) and 22 percent of their time on safety tasks (Duty Area B). Another 12 percent of their time is devoted to Duty Area A tasks (Performing General Fuels Activities), and another 8 percent of their time Performing Resource Control Center (RCC) Activities (Duty Area C). Almost 75 percent (454 individuals) are AD, and among these AD members, 26 percent hold paygrade E-2, 38 percent hold paygrade E-3, and another 25 percent hold E-4. Seventy-four percent of AD members hold DAFSC 2F031, while the rest are at the 5-skill level.

MOBILE DISTRIBUTION OPERATIONS CLUSTER			
	AD	ANG	AFRC
Number of members	454	115	37
Average number of tasks performed	24	27	28
Average time in present job	1.9 yrs	N/A	N/A
Average time in career field	3.0 yrs	N/A	N/A
TAFMS	3.3 yrs	N/A	N/A
Predominant paygrade	E-2; E-3; E-4	E-5	E-5; E-6

Representative tasks (those tasks which the highest percentages of members report performing) for this cluster include the following:

- Perform normal flightline refueling or defueling servicing operations
- Perform emergency shutdown procedures on fuels distribution vehicles
- Inspect fire extinguishers
- Inspect mobile fuels distribution vehicles
- Monitor differential pressure
- Visually inspect fuel samples for water, color, or contaminants
- Perform concurrent servicing operations
- Inspect markings or decals on equipment or facilities
- Utilize personal safety equipment
- Perform multisource refueling servicing operations
- Perform preventive maintenance on fuels distribution facilities or equipment
- Perform issue-from-bulk or return-to-bulk operations using mobile refueling vehicles

Thirty-four percent of the members of this cluster (206) are grouped together in the **Mobile Distribution Job**. Seventy-nine percent (163 members) are AD and another 17 percent (35 members) are ANG. The representative tasks for this job are the same as those for the overall cluster.

The 160 members of the next-largest job in the cluster, the **Basic Mobile Distribution Job**, perform essentially a subset of the tasks performed by the members of the Mobile Distribution Job. Eighty-five percent (136 members) are AD. They are distinguished from the larger job by the relatively restricted scope of their work activities. That is, they report performing an average of only 14 tasks, many fewer than the larger job. The reason for this is not clear, however; because there are no apparent differences between the two groups with regard to grade, TICF, TAFMS, or any other factor that could be expected to influence the scope of work. The tasks that members of this job do perform overlap completely with those performed by members of the larger job. It is not surprising, then, that their most widely-performed tasks are the same as for the Mobile Distribution Job. The two jobs are differentiated by additional tasks performed at lower levels by members of the more senior job.

Next is the **Fuel Distribution Monitor Job**. These 32 members, 29 of whom are AD, do not report performing actual flightline fueling or defueling work, but concentrate instead on inspections and maintenance. Representative tasks include the following:

- Inspect fire extinguishers
- Inspect mobile fuels distribution vehicles
- Inspect markings or decals on equipment or facilities
- Perform emergency shutdown procedures on fuels distribution vehicles
- Perform preventive maintenance on fuels distribution facilities or equipment
- Inspect emergency showers
- Visually inspect fuel samples for water, color, or contaminants
- Utilize personal safety equipment
- Inspect or fill emergency eyewashes
- Apply reflective tape to equipment
- Tow portable equipment
- Coordinate mobile refueling vehicle maintenance with base refueling maintenance
- Perform maintenance on refueling nozzles or related equipment

The next job in this cluster, the **Mobile Distribution/Cryogenics Job**, has 14 members who perform an average of 35 tasks. They perform mainly the same core flightline fueling/defueling tasks as the members of the first two jobs in this cluster. They are distinguished from these other jobs because cryogenic-related activities are also among their most widely-performed tasks, whereas few members of the other job report performing cryogenic tasks at all. In addition to the representative tasks for the first two jobs in this cluster, the following cryogenic tasks are reported by most members of this job:

- Perform odor or particulate tests on LOX cryotainers or cryogenic production plants
- Issue, receive, or transfer cryogenic products
- Fill cylinders with LOX or liquid nitrogen (LIN)
- Inspect cryotainers
- Ground cryotainers

The final job in this cluster, the **Safety/Preventive Maintenance Job**, has 72 members who perform an average of 24 tasks. Relatively few report substantial levels of normal fueling/defueling work. Instead, most of their time is spent on safety, preventive maintenance, and Duty Area A (General Fuels Activities) tasks. Forty-two members (58 percent) are AD. Their most widely performed tasks include the following:

- Inspect fire extinguishers
- Inspect markings or decals on equipment or facilities
- Visually inspect fuel samples for water, color, or contaminants
- Perform emergency shutdown procedures on fuels distribution vehicles
- Inspect emergency showers
- Monitor differential pressure
- Inspect or fill emergency eyewashes
- Utilize personal safety equipment
- Maintain spill prevention and cleanup materials
- Maintain hazardous waste spill kits
- Perform emergency shutdown procedures on hydrants
- Maintain personal safety equipment

II. HYDRANTS/BULK STORAGE CLUSTER (STG110).

As a whole, these 510 incumbents indicate performing an average of 80 tasks, spending 24 percent of their worktime on Bulk Storage/Service Station tasks (Duty Area E) and another 15 percent on tasks in Duty Area B, Safety Activities. Three distinct jobs, the Bulk Storage Job, the Initial Bulk Storage Job, and the Hydrants Job, are identifiable within the cluster, however, and these are described below. Seventy-three percent (373 members) are AD, and among these AD personnel, 53 percent hold DAFSC 2F051. Twenty-four percent of AD members hold paygrade E-3, 32 percent hold E-4, and 28 percent hold E-5.

HYDRANTS/BULK STORAGE CLUSTER			
	AD	ANG	AFRC
Number of members	373	97	40
Average number of tasks performed	79	82	87
Average time in present job	2.4 yrs	N/A	N/A
Average time in career field	6.9 yrs	N/A	N/A
TAFMS	7.3 yrs	N/A	N/A
Predominant paygrade	E-3; E-4; E-5	E-5	E-5; E-6

In addition to the routine safety activities (such as inspecting fire extinguishers and emergency showers), these are the most-performed bulk storage tasks for members of this cluster:

- Operate bulk storage systems to issue, receive, store, or transfer fuel
- Inspect bulk storage facilities
- Perform issue-from-bulk or return-to-bulk operations using mobile refueling vehicles

- Operate separators or filters
- Operate automatic tank gauges (ATGs)
- Operate fuel bowsers
- Gauge bulk storage tanks for fuel quantity, temperature, or water
- Perform operator maintenance on bulk storage facilities
- Perform dike draining activities
- Document bulk storage systems issue, receipt, storage, or transfer of fuel

Eighty-three percent of the members of this cluster (425) are grouped together in the **Bulk Storage Job**. These members perform an average of 88 tasks that constitute the core bulk storage work. It is not surprising, since they comprise such a high percentage of cluster membership, that their demographics and the representative tasks for this job are essentially the same as those for the overall cluster. This job has the highest percentage of ANG and AFRC members (22 percent, or 94 members and 9 percent, or 38 members, respectively) of any job in this cluster.

Next is the **Initial Bulk Storage Job**. These 30 members (25 are AD) differ from those in the Bulk Storage Job because they perform an average of only 34 tasks. They are somewhat less senior than the larger job, and the likely explanation for their limited range of activities is that their move to bulk storage operations from mobile distribution activities on the flightline took place relatively recently. Thus, although not new to either the Air Force or the career field, they are comparatively new to their present work and apparently require some time to become proficient across a wide range of bulk storage tasks. They perform the same basic bulk storage and safety tasks performed by members of the Bulk Storage Job, but they do not perform additional tasks as widely.

The final job in this cluster, the **Hydrants Job**, has 54 members, all AD, who perform an average of 49 tasks. Their work is clearly distinct from that of members of the other two jobs in this cluster. Although they spend 12 percent of their worktime on bulk storage activities (which accounts for their being grouped in this cluster), they spend 33 percent of their time on fuel distribution activities (Duty Area F), the duty area in which the hydrant-related tasks were placed in this inventory. The following tasks are reported by most members of this job:

- Operate hydrant or storage systems to issue, defuel, store, transfer, or receive petroleum products
- Inspect hydrant systems
- Perform operator maintenance on hydrant systems
- Maintain pits or low point drains
- Coordinate hydrant facility maintenance with liquid fuels maintenance (LFM)
- Drain water from hydrant systems
- Flush hydrant systems
- Inspect pantographs
- Coordinate required equipment maintenance with LFM

III. FLIGHT INFORMATION SERVICE CENTER (FISC) CLUSTER (STG134).

The members of this job report performing an average of 185 tasks, by far the greatest number of any job or cluster in the AFSC. They perform a number of functions within the newly-implemented FISC concept, spending 20 percent of their time on Resource Control Center (RCC) activities (Duty Area C) and 16 percent on Fuels Laboratory activities (Duty area D). They are, however, frequently pulled out of the FISC during times of high workload to help on the flightline, so they also perform tasks in both Duty Area F (Flightline Distribution) and Duty Area B (Safety) at relatively high levels. Seventy percent (207 individuals) of the members of this cluster are ANG.

FLIGHT INFORMATION SERVICE CENTER (FISC) CLUSTER			
	AD	ANG	AFRC
Number of members	59	207	29
Average number of tasks performed	171	191	171
Average time in present job	2.6 yrs	N/A	N/A
Average time in career field	11.3 yrs	N/A	N/A
TAFMS	11.9 yrs	N/A	N/A
Predominant paygrade	E-5	E-5; E-6	E-5; E-6

These are the most-performed FISC tasks for this cluster:

- Monitor fuel servicing operations
- Dispatch fuel requests
- Document equipment differential pressures
- Draw petroleum samples using in-line samplers
- Identify contaminated petroleum products
- Clean laboratory testing equipment
- Perform conductivity tests
- Coordinate sampling of fuels equipment with fuels laboratory
- Maintain servicing clipboards for mobile fueling vehicles
- Review aircraft flying schedules
- Direct mobile fueling operations
- Perform flash point tests

Eighty-four percent of the members of this cluster (247) form the **FISC Job**. These members perform an average of 201 tasks across the full range of this specialty's work. Not surprisingly, representative tasks for this job are the same as those for the overall cluster.

The cluster also includes a **Basic FISC Job**. These 37 members perform an average of 100 tasks, essentially half as many as members of the larger FISC Job perform. Apart from this, there are some real differences in the work performed by members of the two jobs -- a large proportion of these members perform some FISC tasks that are not reported by many of the FISC Job members, including the following:

- Direct utilization of fuels equipment
- Maintain automated forms and equipment status log sheets
- Maintain status boards, charts, or graphs
- Notify workcenters of weather warnings
- Direct ground product fueling operations
- Direct hydrant fueling operations
- Maintain keys for fuels facilities
- Coordinate sampling of fuels equipment with fuels laboratory
- Inventory intrabase radios
- Coordinate fuel requirements with maintenance job control

IV. MANAGEMENT/SUPERVISION CLUSTER

(STG141). These 280 members comprise the bulk of the specialty's managers and supervisors. They report spending 40 percent of their worktime (see Table 5) on tasks in Duty Area L, Performing Management and Supervisory Activities, and another 13 percent on training activities (Duty Area M). Their job titles indicate that they span a range from lower- to high-level management positions, but for present purposes two junior/mid-level and one upper-level jobs have been identified and are discussed below. Over 90 percent of these members (253 individuals) are AD. Among these AD members, 37 percent hold paygrade E-5, 30 percent hold E-6, and 25 percent hold E-7.

MANAGEMENT/SUPERVISION CLUSTER			
	AD	ANG	AFRC
Number of members	253	14	13
Average number of tasks performed	71	110	118
Average time in present job	2.2 yrs	N/A	N/A
Average time in career field	14.4 yrs	N/A	N/A
TAFMS	15.4 yrs	N/A	N/A
Predominant paygrade	E-5; E-6; E-7	E-7; E-8	E-7

The most-performed tasks for this cluster include the following:

- Inspect personnel for compliance with military standards
- Counsel subordinates concerning personal or professional matters
- Evaluate personnel for compliance with performance standards
- Write or endorse military performance reports
- Conduct supervisory performance feedback sessions
- Write recommendations for awards or recommendations
- Monitor fuel servicing operations
- Interpret policies, directives, or procedures for subordinates
- Perform fuels expeditor duties
- Establish performance standards for subordinates
- Develop or establish work schedules

- Determine or establish work assignments or priorities
- Counsel trainees on training progress
- Conduct on-the-job training (OJT)

The largest job in the cluster (145 members) is the **Flightline Shift Supervisor/NCOIC Job**. These personnel report spending 34 percent of their worktime on management/supervisory activities, 16 percent on training, and 14 percent on fuels distribution activities. They are the most junior of the three jobs in this cluster, both in terms of TAFMS and paygrade. Representative tasks include the following:

- Inspect personnel for compliance with military standards
- Counsel subordinates concerning personal or professional matters
- Write or endorse military performance reports
- Write recommendations for awards or decorations
- Counsel trainees on training progress
- Perform fuels expeditor duties
- Evaluate personnel for compliance with performance standards
- Conduct supervisory performance feedback sessions
- Conduct on-the-job training (OJT)

Next is the considerably smaller **Bulk Storage NCOIC Job**. These 10 members, all of whom are AD, tend to be somewhat more senior than the Flightline Shift Supervisor/NCOIC members. The real difference, as the name implies, is that their technical work involves mainly tasks in the bulk storage duty area rather than the fuels distribution duty area. Apart from the management/supervisory tasks listed for the entire cluster, the following bulk storage tasks are also reported by many job members:

- Inspect bulk storage facilities
- Document inspection forms for service station or bulk storage facilities
- Inspect service station facilities
- Coordinate fuel transfers and receipts with RCC or appropriate agencies
- Maintain safe fill levels below high-level alarm levels
- Coordinate fuel pipeline receipts with contractors
- Coordinate bulk storage or service station maintenance with base civil engineer (BCE)
- Operate bulk storage systems to issue, receive, store, or transfer fuel

The most senior members of the cluster form the **Superintendent Job**. Many of these 121 members have job titles that are variations of "Superintendent", and their work tends to be more managerial and involves less direct supervision. Their most-performed tasks include no technical tasks at all, although a few are training tasks. The managerial tasks that differentiate them from the other jobs in this cluster include the following:

- Evaluate personnel for promotion, demotion, reclassification, or special awards
- Determine or establish work assignments or priorities
- Write replies to inspection reports
- Schedule personnel for TDY assignments, leaves, or passes
- Establish performance standards for subordinates
- Conduct general meetings, such as staff meetings, briefings, conferences, or workshops
- Assign personnel to work areas or duty positions
- Develop or establish work methods or procedures
- Conduct supervisory orientations for newly-assigned personnel
- Evaluate inspection report findings or inspection procedures
- Determine or establish logistics requirements, such as personnel, equipment, tools, parts, supplies, or workspace
- Initiate actions required due to substandard performance of personnel
- Write job or position descriptions

V. TRAINING CLUSTER (STG166). These 70 members both conduct and manage on-the-job training; none are technical school instructors. They report spending 44 percent of their worktime (see Table 5) on tasks in Duty Area M, Performing Training Activities, 18 percent on mobility/contingency activities (Duty Area K), and another 13 percent on management/supervisory activities (Duty Area L). Ninety percent (63 members) are AD, and of these, 54 percent (34 members) hold paygrade E-5 and another 32 percent (20 members) hold E-6.

TRAINING CLUSTER			
	AD	ANG	AFRC
Number of members	63	5	2
Average number of tasks performed	78	56	50
Average time in present job	1.4 yrs	N/A	N/A
Average time in career field	11.8 yrs	N/A	N/A
TAFMS	12.6 yrs	N/A	N/A
Predominant paygrade	E-5	E-5	E-6

The most-performed tasks for this cluster include the following:

- Track core tasks for completion to upgrade to next skill level
- Schedule ancillary or recurring training
- Provide RCC with updated personnel qualification rosters (PQRs)
- Evaluate training records according to CFETP
- Evaluate progress of trainees
- Provide RCC with list of tank custodians
- Establish or maintain study reference files

- Maintain qualification charts
- Brief personnel concerning training programs or matters
- Schedule base-specific core task training
- Counsel trainees on training progress
- Determine training requirements
- Develop rotational training and familiarization programs
- Maintain master training plans

Most members of this cluster (59 members) form the **OJT Manager/Scheduler Job**. Sixty-one percent report conducting OJT, but spend only slightly more than one percent of their job time doing so. Their primary responsibility, as the name implies, involves managing and scheduling various administrative aspects of OJT (39 percent of worktime in Duty Area M), but they also spend considerably more time on general management/supervisory tasks (14 percent of time) and mobility/contingency (20 percent of time) than do members of the other job. Their most-performed tasks are the same as those for the cluster.

The smaller job in this cluster is called the **OJT Job** in this report. These 11 members, 7 of whom are AD, perform many of the same training management/scheduling tasks as members of the larger job, and even fewer (36 percent) report actually conducting OJT. However, they spend considerably more of their job time (74 percent) on training activities and considerably less job time on mobility/contingency activities (7 percent) and management/supervisory tasks (6 percent). In view of this, it is somewhat surprising to find that their job is narrower, even if only training tasks are considered. That is, proportionately more members of the OJT Manager/Scheduler Job report performing more training tasks than do members of the OJT Job, but they spend less of their total job time on training. Again, the most-performed tasks are the same as those for the cluster; the differences between the jobs lie in the amount of time spent on these tasks and in the narrower character of the OJT Job.

VI. FUELS LAB JOB (STG259). These 94 members work almost exclusively in the fuels laboratories. They report spending 64 percent of their worktime (see Table 5) on tasks in Duty Area D, Performing Fuels Laboratory Activities, but even the work they perform in other duty areas consists of safety and fuel-inspection tasks (for example, visually inspecting fuel samples is a task from Duty Area A, Performing General Fuels Activities). Eighty-five percent (80 members) are AD, and 43 percent of these (34 members) hold paygrade E-4, while another 31 percent (25 members) hold E-5. Sixty-one percent of the AD members (49 individuals) hold DAFSC 2F051, and another 36 percent hold DAFSC 2F031.

FUELS LAB JOB			
	AD	ANG	AFRC
Number of members	80	11	3
Average number of tasks performed	67	59	54
Average time in present job	1.8 yrs	N/A	N/A
Average time in career field	6.3 yrs	N/A	N/A
TAFMS	6.7 yrs	N/A	N/A
Predominant paygrade	E-4; E-5	E-5	E-4; E-5; E-6

The most-performed tasks for this job include the following:

- Draw petroleum samples using in-line samplers
- Perform conductivity tests
- Perform fiber tests
- Visually inspect fuel samples for water, color, or contaminants
- Perform total solids sediment tests using single-filter weight monitor
- Clean laboratory testing equipment
- Maintain laboratory sampling equipment
- Prepare laboratory samples for testing
- Perform total solids sediment tests using bottle methods
- Maintain laboratory analysis equipment
- Perform flash point tests
- Perform time filtrations
- Maintain laboratory temperature at 73 +/- degrees

VII. CRYOGENICS JOB (STG333). These 56 members are distinguished from those in the Mobile Distribution/Cryogenics Job within the Mobile Distribution Operations Cluster in a number of ways. Primarily, they report spending less than one percent of their worktime on tasks in the Fuels Distribution Duty Area (Duty Area F) and considerably more time in Duty Area G, Performing Cryogenic Production or Storage Activities (58 percent). Those stationed overseas are also involved in the production of cryogenic materials, not just in storing and handling them. There are no AFRC members in this job, and only 4 percent (2 members) are ANG. Among the AD members, 41 percent (22 individuals) hold paygrade E-4, and 35 percent (19 members) hold E-5. Seventy-two percent of the AD members (39 individuals) hold DAFSC 2F051.

CRYOGENICS JOB		
	AD	ANG
Number of members	54	2
Average number of tasks performed	80	51
Average time in present job	1.4 yrs	N/A
Average time in career field	8.9 yrs	N/A
TAFMS	9.2 yrs	N/A
Predominant paygrade	E-4; E-5	E-4; E-5

The most-performed tasks for this job include the following:

- Inspect cryotainers
- Issue, receive, or transfer cryogenic materials
- Maintain cryogenic storage areas
- Inspect cryogenic storage areas
- Inspect cryogenic support equipment

- Maintain cryogenic support equipment
- Perform odor tests on cryogenic products
- Purge cryotainers
- Perform operator maintenance on cryogenic facilities
- Maintain cryotainers
- Verify AFTO Forms 244 (Industrial/Support Equipment Record) for Red X items
- Ground cryotainers
- Maintain cryogenic safety equipment

VIII. ENVIRONMENTAL/SAFETY COMPLIANCE JOB (STG248).

These 41 members might have formed a job within the Management/Supervisory Cluster, since they spend more of their worktime (32 percent) on management/supervisory tasks (Duty Area L) and most members have substantial general management duties. However, they are distinguished from members of that cluster because they spend an additional 30 percent of their time on compliance tasks (Duty Area H). Compliance activities include assuring that materials conform with mil specs, but the primary activities are monitoring safety and environmental activities. Eighty-eight percent (36 individuals) are AD, and 58 percent of the AD members (21 individuals) hold paygrade E-7. Eighty-three percent of AD members (30 individuals) hold DAFSC 2F071.

ENVIRONMENTAL/SAFETY COMPLIANCE JOB			
	AD	ANG	AFRC
Number of members	36	3	2
Average number of tasks performed	55	40	46
Average time in present job	1.3 yrs	N/A	N/A
Average time in career field	17.3 yrs	N/A	N/A
TAFMS	17.9 yrs	N/A	N/A
Predominant paygrade	E-7	E-7	E-6; E-7

The most-performed tasks for this job include the following:

- Conduct safety inspections of fuels elements
- Distribute inspection reports
- Conduct inspections of facilities and personnel
- Write inspection reports
- Conduct follow-on inspections of fuels elements receiving unsatisfactory ratings
- Conduct no-notice spot-check inspections of fuels operations
- Conduct recurring safety briefings
- Conduct crossfeed or special interest inspections of fuels elements
- Brief fuels element supervisors or outside agencies on internal assessment findings
- Inspect personnel for compliance with military standards
- Evaluate personnel for compliance with performance standards

- Evaluate environmental impact of fuels operations
- Perform exercise evaluation duties

IX. FUEL CONTROLLER JOB (STG271).

The job of these 148 members is straightforward. They work in RCCs, where they are responsible for controlling and directing the movement of fuels to meet mission demands. They spend 71 percent of their worktime on such activities (Duty Area C), and most of the other tasks they perform (in such areas as management/supervision and safety) directly support their RCC work. Ninety-one percent of these members are AD, and 56 percent of these (75 individuals) hold paygrade E-5. Eighty-seven percent of these AD members (118 individuals) hold DAFSC 2F051.

FUEL CONTROLLER JOB			
	AD	ANG	AFRC
Number of members	135	8	5
Average number of tasks performed	44	35	35
Average time in present job	2.0 yrs	N/A	N/A
Average time in career field	8.7 yrs	N/A	N/A
TAFMS	9.5 yrs	N/A	N/A
Predominant paygrade	E-5	E-5	E-5

The most-performed tasks for this job include the following:

- Dispatch fuel requests
- Direct mobile fueling operations
- Maintain servicing clipboards for mobile fueling vehicles
- Maintain status boards, charts, or graphs
- Maintain keys for fuels facilities
- Monitor fuel servicing operations
- Direct utilization of fuels equipment
- Notify workcenters of weather warnings
- Maintain automated forms and equipment status log sheets
- Maintain intrabase radios
- Direct ground product fueling operations
- Inventory intrabase radios
- Direct hydrant fueling operations
- Review aircraft flying schedules

X. FUEL ACCOUNTANT JOB (STG326).

Like the Fuel Controllers, these 133 members work in RCCs (81 percent of their worktime is in Duty Area C), but they perform an entirely different set of tasks. They review and process requests and requisitions, then track and document the movement of fuels and related equipment and materials. Eighty-nine percent of these members are AD, of whom 36 percent (43 individuals) hold paygrade E-4 48 percent (57 individuals) hold E-5. Seventy-five percent of AD members (88 individuals) hold DAFSC 2F051 and another 17 percent hold DAFSC 2F031.

FUEL ACCOUNTANT JOB			
	AD	ANG	AFRC
Number of members	118	10	5
Average number of tasks performed	87	92	80
Average time in present job	2.2 yrs	N/A	N/A
Average time in career field	8.1 yrs	N/A	N/A
TAFMS	8.7 yrs	N/A	N/A
Predominant paygrade	E-4; E-5	E-5	E-5; E-6

The most-performed tasks for this job include the following:

- Process issues for aviation products
- Process fuels automated management system (FAMS) transactions
- Process issues for ground or heating fuels
- Process requisitions to SBSS
- Investigate fuel gains or losses
- Review inventory forms for aviation products
- Process receipts for aviation products
- Review and clear SBSS rejects
- Process defuels for aviation products
- Process inventory adjustments for ground or heating fuels
- Review and clear rejects within FAMS
- Review inventory forms for ground or heating fuels

XI. LAN/COMPUTER SUPPORT JOB

(STG270). These 23 members spend 72 percent of their worktime on tasks in Duty Area J, Performing Flight Administration or Local Area Network (LAN) Activities. The work of most of these personnel concentrates not on flight administration but on direct technical support, that is, installing, troubleshooting, and configuring computer systems, peripherals, and networks. There are no ANG members of this job, and only one member is AFRC. Fifty-six percent of the AD members (12 members) hold paygrade E-5, and another 34 percent (7 members) hold E-4. Sixty-four percent (14 individuals) hold DAFSC 2F051, and 32 percent (7 members) hold DAFSC 2F071.

LAN/COMPUTER SUPPORT JOB		
	AD	AFRC
Number of members	22	1
Average number of tasks performed	49	115
Average time in present job	1.5 yrs	N/A
Average time in career field	12.1 yrs	N/A
TAFMS	12.5 yrs	N/A
Predominant paygrade	E-5	E-5

The most-performed tasks for this job include the following:

- Troubleshoot network connectivity
- Troubleshoot computer equipment, such as monitors, keyboards, or CPUs
- Troubleshoot applications or operating systems software
- Troubleshoot peripherals, such as printers, scanners, or speakers
- Install computer equipment, hardware, or peripherals, such as central processing units (CPUs), monitors, or keyboards
- Install internal components, such as network interface cards, memory chips, or sound cards
- Install, modify, or remove applications software
- Create, modify, or delete directories, folders, or files
- Configure peripherals, such as printers, scanners, or speakers
- Configure internal components, such as network interface cards, memory chips, or sound cards
- Install, modify, or remove systems securities, such as passwords or screensavers
- Configure workstations for network connectivity

XII. MAJCOM FUNCTIONAL MANAGER JOB

(STG176). Each of these 11 members works in a MAJCOM or numbered Air Force HQ, where they are concerned with management and planning activities concerning the AFSC 2F0X1 career ladder. All are AD. Eighty-two percent (9 individuals) hold DAFSC 2F071, and the rest hold DAFSC 2F091.

MAJCOM FUNCTIONAL MANAGER JOB	
	AD
Number of members	11
Average number of tasks performed	50
Average time in present job	1.6 yrs
Average time in career field	16.6 yrs
TAFMS	16.9 yrs
Predominant paygrade	E-6; E-7

The most-performed tasks for this job include the following:

- Prepare correspondence
- Distribute correspondence or publications
- Coordinate deployment of personnel with other MAJCOMs or joint service commands
- Write staff studies, surveys, or routine reports, other than training or inspection reports
- Conduct staff assistance visits
- Review drafts of supplements or changes to directives, such as policy directives, instructions, or manuals
- Write minutes of briefings, conferences, or meetings
- Initiate requests for TDY orders
- Interpret policies, directives, or procedures for subordinates
- Initiate or coordinate plans for future military construction (MILCON) projects
- Conduct general meetings, such as staff meetings, briefings, conferences, or workshops

Comparison of Current Group Descriptions to Previous Study

Table 13 summarizes the differences between the results of the previous and present OSRs. Overall, the work structure of this career field has remained stable over the past few years. The differences that are apparent in Table 13 are, for the most part, easily understood, and the similarities and correspondences far outweigh the differences.

First, the structure of the Mobile Distribution Operations Cluster, which contains the largest single segment of the career field population, has remained mostly intact. It is questionable how well the present Fuel Distribution Monitor Job corresponds to the previous Mobile Distribution

and Quality Control Job, because the latter was not described in detail in the previous OSR, but the correspondence appears reasonable.

The previous analysis identified separate Hydrant and Storage Clusters, and they were clearly combined in the present analysis. The most likely explanation is that members of the previous Hydrant Cluster are now performing substantially more storage tasks, since the members of the two present storage jobs appear to perform few hydrant tasks. Apart from this, the present Hydrants/Bulk Storage Cluster has remained relatively stable. The present Hydrants Job might have been split into a Hydrant Operator Job and a Hydrant Supervisor Job, as the previous analysis did, but by the criterion now in use the distinctions between these two groups were not sufficient to identify them as separate jobs. This may mean that the distinction between the two has blurred, with, for example, the supervisors doing more technical work than they did in the past, but it is also possible that the analyst for the previous study applied a somewhat looser criteria than is presently the norm. In addition, neither the previous Distribution and Storage Job nor the previous Cryogenics Storage Job appeared in the present analysis, but it is likely that both are simply embedded in the present Bulk Storage Job because the scope of work done by each job has expanded at least slightly.

Obviously, the current FISC Cluster and both the jobs within it are new, because the career field has only recently been reorganized to include the FISC concept. According to SMEs, the FISC concept combines several previously separate functions under one umbrella. If anything, it is surprising that the emergence of the new FISC Cluster has not had greater impact (specifically, absorbed more previous jobs) on the career field structure than is apparent.

The present Management/Supervision Cluster shows only one notable change, in that the Quality Control Inspection Job has disappeared. This is probably because contractors are filling this role at more bases, including both those where the fuels function has been completely civilianized, and those at which it the function is still largely a military duty.

The Training Cluster has remained largely unchanged, despite the differences in names given the cluster in the previous and present analyses. The correspondences in work are clear.

The present Fuels Lab Job, Cryogenics Job, and Fuel Controller Job all have clearly corresponding jobs in the previous analysis. The present Fuel Accountant Job was not split into supervisory and working jobs, as the previous analysis did, and this, again, is likely because of a difference in the criteria applied between the two analyses.

A substantial number of Technical School Instructors were identifiable within the present sample, but they did not form a group together. Instead, they were spread across a number of jobs and clusters (for example, Fuels Lab Job, Cryogenics Job, Bulk Storage Job). The most probable explanation is that the current task list was written without explicit classroom instruction tasks, and the instructors instead responded to functional items (for example, hydrant tasks) as though they were performing them on the flightline rather than teaching them as content areas in the classroom. Similarly, the present analysis identified a MAJCOM Functional Manager Job not found in the previous analysis. It is possible that no Functional Managers were

included in the previous sample, which surveyed half, rather than all, of the career field members. It is also possible that few or no Functional Managers responded to the previous survey, or that the tasks were written more like general management tasks on the previous inventory.

The present LAN/Computer Systems Support Job had no counterpart in the previous OSR. The reason for this is not clear, but it may be that 2F0X1 career field members have only recently received the training and job opportunities needed for such a job to emerge. Other explanations (for example, that the previous sample failed to include a sufficient number of such workers) cannot be ruled out.

Finally, the present Environmental/Safety Compliance Job has no counterpart in the previous OSR. Possibly, this job has been created by an emerging emphasis on environmental and safety compliance issues over the past few years. It is also possible that the previous Quality Control Inspection Job corresponds more closely with this present job than is apparent, although the lack of a detailed description of the QC job in the previous OSR makes this difficult to determine.

Summary

In summary, analysis reveals that the Fuels career ladder is relatively diverse, but that it has remained fundamentally stable over the past few years. Structure analysis identified five clusters that together include 88 percent of the AFSC members, and seven independent jobs.

SKILL AND EXPERIENCE ANALYSIS

Analysis of DAFSC Groups

An analysis of DAFSC groups in conjunction with the analysis of the career ladder structure is an important part of each occupational survey. DAFSC analysis examines differences in tasks performed between skill levels. This information may then be used to evaluate how well career ladder documents, such as AFMAN 36-2108 *Airman Classifications*, reflect what career ladder personnel are actually doing in the field.

ACTIVE DUTY

AFSC 2F0X1. The distribution of AFSC 2F0X1 AD skill-level groups across career ladder clusters and jobs is displayed in Table 14. As can be seen, 3-skill level personnel were found within all jobs and clusters except those that are naturally associated with seniority – the Management/Supervision Cluster, the Environmental/Safety Compliance Job, and the MAJCOM Functional Manager Job. By the 5-skill level, members are present in all clusters and jobs except

the MAJCOM Functional Manager Job, and only 45 percent are primarily performing the core technical work of the specialty (that is, are grouped in the Mobile Distribution Operations Cluster, the Hydrants/Bulk Storage Cluster, the Fuels Lab Job, and the Cryogenics Job). The other 55 percent are either not grouped or are included in a cluster or job that involves a substantial amount of support, training, management/supervision, or administrative work, although members of many of these jobs still perform technical work at some level. At the 7-skill level, only 15 percent are in these primarily technical jobs, and by the 9-skill level, not surprisingly, all members are either not grouped or are identified with management or administrative positions.

Table 15 offers a different perspective by displaying the relative percent time spent on each duty across skill-level groups. As expected, 3-skill level personnel have little to do with management and supervisory activities (Duty Area L), training activities (Duty Area M), or administrative and supply activities (Duty Areas H, I, J, and N). This pattern changes substantially at the 5-skill level, with a fairly even balance between technical and nontechnical work, and by the 7-skill level members as a group devote nearly a third (32 percent) of their worktime to management and supervision alone (Duty Area L). At the same time, the amount of time that 7-skill level personnel devote to tasks in each of the technical duty areas has dwindled remarkably. DAFSC 2F091 personnel report spending more than half (58 percent) of their time performing tasks related to Duty Area L alone, and a total of less than 5 percent of their time to technical tasks. Overall, this pattern indicates that career progression in this specialty is typical, with a continuous increase in supervisory, managerial, and administrative activities and a corresponding decrease in technical work as skill level increases. Specific skill-level group discussions are presented below.

Descriptions and Comparisons of Skill-Level Groups

DAFSC 2F031. Table 16 shows the top tasks that AD DAFSC 2F031 personnel are performing. Not surprisingly, these tasks reflect the basic nature of their work – general flightline, fuels, and safety activities.

DAFSC 2F051. Table 17 shows the top tasks that AD DAFSC 2F051 personnel are performing, and reflects again their continued involvement with the basic work of the specialty accompanied by additional supervisory, training, and mobility activities. Table 18 tells much the same story from a different perspective, by showing the tasks that best distinguish between 3- and 5-skill level members, that is, those tasks from the entire inventory that show the greatest differences between groups in the percent of members performing them. These differences also reflect the typical increase in supervisory/management activities and the decrease in technical activities at the 5-skill level, although close inspection shows that these shifts are not major. Clearly, many 5-skill level personnel are doing much the same jobs as are 3-skill level personnel, with supervisory duties supplementing, rather than replacing, their technical work. The supervisory tasks do not yet constitute a major part of their work.

DAFSC 2F071. Table 19, which shows the top tasks performed by AD 7-skill level personnel, shows clearly that management and supervision tasks are beginning to comprise a considerable

amount of these member's duties. This is reinforced by the information in Table 20, which shows the tasks that best distinguish between 5- and 7-skill level members. All the tasks that most clearly distinguish 7-skill level work from 5-skill level work are from Duty Area L. At the same time, 5-skill level personnel perform only one technical task (Monitor differential pressure) at a considerably higher level than do 7-skill level personnel. If 5-skill level personnel were still performing mainly technical work, the list of tasks that distinguish 5-skill level work would be long. In other words, this table indirectly reflects the decreased technical activity at the 5-skill level, relative to the 3-skill level.

DAFSC 2F091. Tables 21 and 22 show that AD 9-skill level personnel are distinguished by their almost exclusive involvement in managerial work. Table 21, in particular, shows that these members have assumed responsibility for higher-level management tasks, as opposed to direct supervisory and mid-management activities.

AIR NATIONAL GUARD

Table 23 shows the distribution of AFSC 2F0X1 skill-level groups across career ladder clusters and jobs for ANG personnel, while Table 24 shows the time spent on the various Duties by skill-level groups. Unlike AD members, ANG personnel tend to concentrate on technical and FISC work at the 5-skill level (instead of a mixture of technical and supervisory work), and are more active in the FISC area than are their AD counterparts. This concentration on FISC activities continues up to the 9-skill level. That is, even at the highest levels of rank, ANG personnel do relatively little managerial work (only 20 percent in the Management/Supervision Cluster), concentrating instead on the mixture of technical and administrative work that characterizes members of the FISC Cluster.

DAFSC 2F051. Table 25 lists representative tasks for 2F051 ANG personnel. Comparing this table to Table 17 emphasizes the similarities between AD and ANG 5-skill level personnel, rather than the differences between them. The tasks that distinguish them (supervisory for AD and administrative/FISC for ANG) are clearly not the most widely-performed for either group.

DAFSC 2F071. Table 26 shows representative tasks for the ANG 7-skill level group, while Table 27 shows the tasks that best distinguish between the 5- and 7-skill level groups. Table 27, in particular, shows that there are no tasks that are performed more widely by 5-skill level personnel than by 7-skill level personnel. In other words, 7-skill level people are doing the same work as 5-skill level personnel, as well as performing additional training, administrative, and supervisory tasks.

DAFSCs 2F091. Table 28 lists representative tasks for 9-skill level ANG members and Table 29 shows the tasks that best distinguish them from 7-skill level members. Only one task, a technical (Duty Area F) task, is performed by substantially more 7-skill level personnel than by 9-skill level personnel. Again, this shows that 9-skill level personnel continue much of the work performed by 7-skill level personnel, while adding more managerial (especially higher-level managerial) tasks. Recall, however, that even at the 9-skill level, supervisory and management work is not as widely performed as FISC work.

AIR FORCE RESERVE

Table 30 shows the distribution of AFSC 2F0X1 skill-level groups across career ladder clusters and jobs for AFRC personnel, while Table 31 shows the time spent on the various Duties by skill-level groups. AFRC personnel, like AD personnel, concentrate on basic technical work at the 3-skill level, and this continues at the 5-skill level, along with movement into the FISC area. At the 7-skill level, AFRC personnel are rather evenly divided between technical (bulk storage), FISC, and managerial work. This pattern for AFRC personnel, in other words, shows both similarities to and differences from the patterns for both AD and ANG personnel, essentially a hybrid pattern

DAFSCs 2F031 and 2F051. These members' similarity to their AD counterparts is apparent in Tables 32 and 33, which show their most widely-performed tasks. There are obvious differences, however, between Table 34, which shows the tasks that best differentiate AFRC 3- and 5-skill level personnel, and Table 18, which gives the same information for AD personnel. The primary difference is that AFRC 5-skill level personnel are not performing supervisory tasks as much as AD personnel, but continue their technical activities along with some administrative and training tasks.

DAFSC 2F071. Table 35, which shows representative tasks for 7-skill level personnel, also shows a mixture of administrative and training tasks (but not supervisory activities). It also makes clear that many of the technical activities these members perform involve inspections and monitoring, rather than actually performing the basic work itself. Table 36 shows once again the increased supervisory/managerial responsibilities that distinguish between 5- and 7-skill level personnel. It also shows (because there are no tasks that are performed at a higher level by 5-skill level than by 7-skill level personnel) that assuming the 7-skill level mainly involves taking on more managerial tasks in addition to the continuing work done by 5-skill level members.

DAFSCs 2F091. All three 9-skill level personnel are involved nearly exclusively in higher-level management activities. This is shown clearly in both Table 37 and Table 38, which list 9-skill level representative tasks and the tasks that best distinguish between 7- and 9-skill level personnel, respectively.

Summary

Career progression among AD airmen shows the typical career-progression pattern. Technical task performance steadily decreases as members progress from the 3- to the 9-skill level, and supervisory responsibilities begin to supplement technical tasks at the 5-skill level. By the 7-skill level, supervisory and managerial tasks occupy most of a typical member's time, and 9-skill level work is characterized by mostly higher-level management tasks.

ANG personnel, on the other hand, seldom move into strictly managerial work as their careers progress, concentrating on administrative jobs, particularly FISC jobs, at higher skill levels. Both the 3- and 5-skill levels are characterized by primarily technical work. AFRC members show yet a third, slightly different pattern, progressing from technical work to either technical,

supervisory, or administrative work at the 7-skill level. Like AD members, 9-skill level personnel are found doing primarily higher-level managerial work

TRAINING ANALYSIS

Occupational survey data are a source of information that can assist in the development or evaluation of relevant training programs for entry-level personnel. Factors used to evaluate entry-level Fuels training include the jobs that are being performed by first-enlistment personnel (i.e., those with 1-48 months TAFMS), the overall distribution of first-enlistment personnel across career ladder jobs, the percent of first-enlistment members who perform specific tasks, as well as ratings of relative TE and TD.

First-Enlistment Personnel

In this study, there were 625 AD AFSC 2F0X1 members in their first enlistment (1-48 months TAFMS). This represents 25 percent of the total survey sample and 34 percent of the AD survey sample. Figure 2 illustrates the distribution of these members across specialty jobs. First-enlistment personnel are concentrated in the two clusters that perform the basic work of the specialty, but are also represented in all but the most senior jobs. Table 39 shows the relative percent of time spent across duties by first-enlistment 2F0X1 members. Not surprisingly, they closely resemble the 3-skill level group in this regard. The largest portion of their time (28 percent) is spent performing tasks related to Duty Area F (Performing Fuels Distribution Activities). Another 18 percent is spent in Duty Area B (Performing Safety Activities), 13 percent is devoted to tasks in Duty Area A (Performing General Fuels Activities), and another 11 percent is spent in Duty Area E (Performing Bulk Storage or Service Station Activities). Representative tasks for these personnel are shown in Table 40, while Table 41 lists the equipment, systems and vehicles used or operated by first-enlistment AD personnel and the percent of respondents who indicated that they operate/maintain/use the particular item of equipment.

Training Emphasis (TE) and Task Difficulty (TD) Data

TE and TD data are secondary task factors that can help training development personnel decide which tasks to emphasize for entry-level training. These ratings are based on the judgments of senior career ladder NCOs at operational units. The first, the TE rating, provides training personnel with a rank-ordering of tasks according to how important these senior NCOs considered the provision of *structured training* to first-enlistment airmen. The second, TD, is a rating by the senior NCOs of the relative difficulty of those tasks (TD). When combined with data on the percentages of first-enlistment personnel performing tasks, comparisons can be made to determine whether adjustments to training are necessary. For example, tasks receiving high ratings on both task factors (TE and TD) generally warrant resident training if they are also performed by a moderate-to-high percentage of first-enlistment members. Tasks receiving high TE and/or TD ratings but that are performed by relatively low percentages of members may be

**DISTRIBUTION OF AFSC 2F0X1 FIRST-ENLISTMENT
PERSONNEL ACROSS SPECIALTY JOBS**

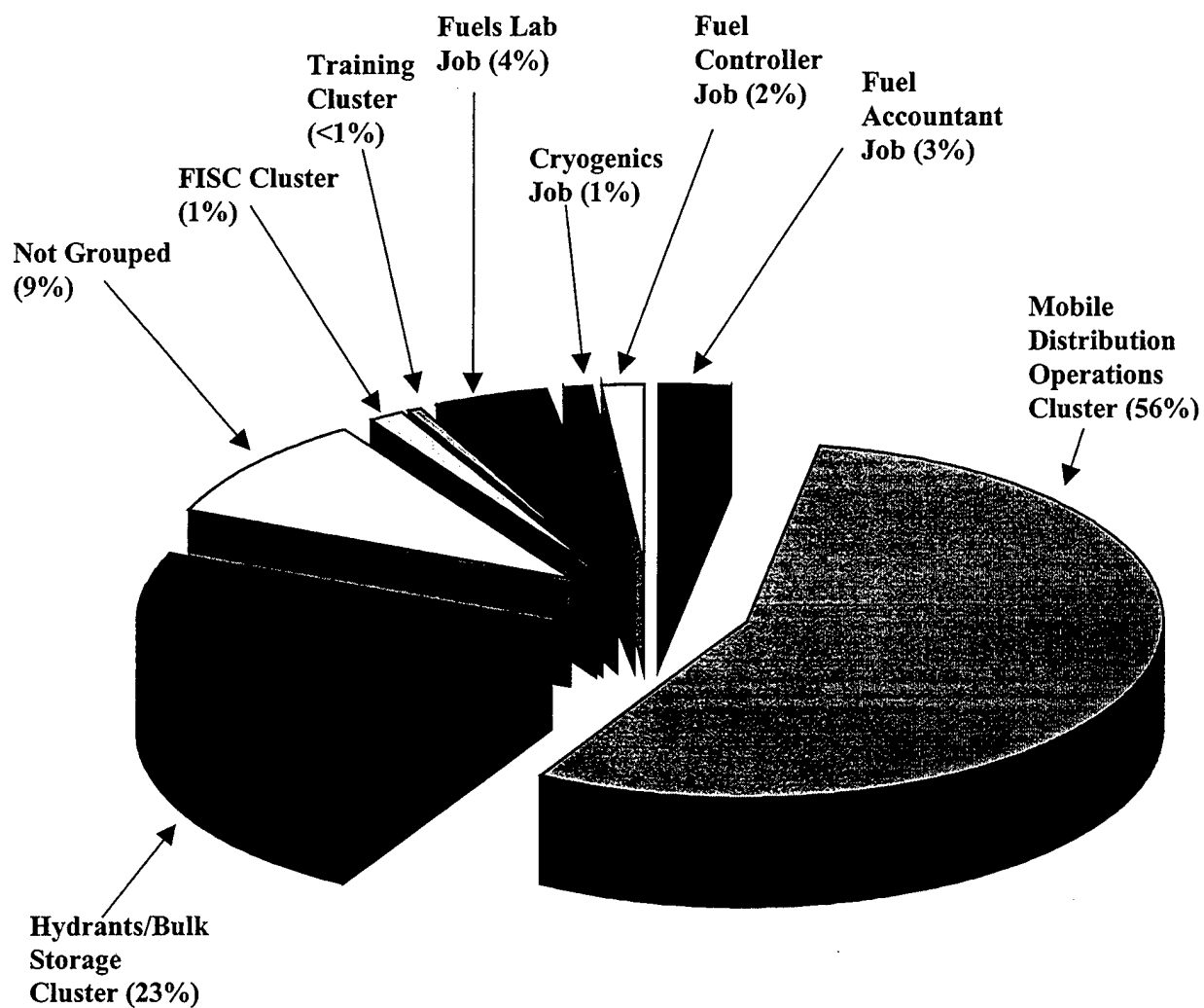


FIGURE 2

more appropriately planned for structured OJT programs within the career ladder. Low TE/TD ratings may highlight tasks best omitted from training for new personnel. These task factors are, of course, not the only ones to weigh in making training decisions; the percentages of personnel performing the tasks, command concerns, the criticality of the tasks, and any other important factors must also be considered carefully.

To assist training development personnel, AFOMS developed a computer program that uses these task factors and the percentage of first job personnel performing tasks to produce Automated Training Indicators (ATI). ATIs correspond to training decisions listed and defined in the Training Decision Logic Table found in Attachment 1, AETCI 36-2601. ATIs allow training developers to quickly focus attention on those tasks, which are most likely to qualify for resident course consideration.

A total of 75 TE disks were mailed, all to senior-level AD personnel, and 60 were returned. Of these, 43 were readable disks and the data were acceptable according to a number of standard criteria (such as a minimum number of tasks rated). A total of 75 TD disks were mailed, also all to senior AD personnel (some but not all of whom also provided TE ratings), and 59 were returned. The final sample included 45 raters. Analysis showed excellent overall agreement between raters with regard to both TE and TD ratings.

Table 42 lists the tasks that were assigned the highest average TE ratings, along with the percent members performing those tasks by groups of 1-24 months and 1-48 months TAFMS, as well as 3-, 5-, 7-, and 9-skill level groups. Table 43 shows tasks that were assigned the highest average TD ratings, and also includes the percent members performing these tasks by groups of 1-24 months and 1-48 months TAFMS, and 3-, and 5-skill level groups. It is apparent that most of the tasks with high TE ratings are being performed by a substantial percentage (over 20 percent) of target group members (first job, first enlistment, and 3-skill level). This is usual and reflects the sound judgment of the raters, that is, they apparently realized that these are tasks that first-enlistment airmen frequently perform. On the other hand, the tasks with the highest TD ratings are performed by few first-enlistment airmen, and most are not performed in substantial numbers by even 7- and 9-skill level personnel.

Full information concerning TE and TD ratings and ATIs for the entire task list can be found in the Training Extract that accompanies this OSR. For a more detailed explanation of TE and TD ratings, see Task Factor Administration in the **SURVEY METHODOLOGY** section of this report.

Specialty Training Standard (STS) Analysis

STS 2F0X1 was reviewed by comparing survey data to STS elements. Technical school personnel from the 366 TRS, Sheppard AFB TX matched JI tasks to appropriate STS sections and subsections. STS paragraphs containing general knowledge information, subject-matter knowledge requirements, or supervisory responsibilities were not reviewed.

As a general rule, STS elements that match tasks having sufficiently high TE and/or TD ratings and that are performed by at least 20 percent of personnel in appropriate skill-level groups should be included in the STS. Of course, these are not the only criteria for inclusion in the STS, and other rational considerations may argue against inclusion. Likewise, elements matched to tasks with less than 20 percent performing in all of these groups generally should not be included in the STS, unless other considerations (such as mission criticality, or criticality to a particular MAJCOM) argue for inclusion.

Survey data showed that three performance-coded STS elements are performed by fewer than 20 percent of first-enlistment personnel. These elements are listed in Table 44, and should be reviewed to assure that their continued inclusion in the STS is warranted.

On the other hand, a number of tasks which were not referenced to the STS by the SMEs who performed the matching process are performed by sufficient numbers of first-job and first-enlistment airmen to possibly justify inclusion in the STS. Examples of these tasks are given in Table 45. A full listing will appear in the Training Extract produced from survey data and provided to Technical School personnel. Several of the tasks listed in Table 45 have high or fairly high TE values, further suggesting that they have a rightful place in the STS. None, however, has a particularly high TD rating, another factor that should be weighed.

Finally, a caveat: to some extent, whether a task matches an STS element is a matter of judgment. This means that some of these tasks may actually be matched to STS elements already, in the opinion of some SMEs, although the SMEs who performed the matching process did not think so. It is also possible, despite the great care typically taken by the SMEs who perform this tedious matching, that some tasks that would have been matched to STS elements were simply missed, not noticed, or misread.

Plan of Instruction (POI) Analysis

In addition to the STS, the POI for a course may also have unsupported tasks (included in the course but performed by few first-enlistment airmen). Personnel from the 366 TRS also matched JI tasks to related training objectives in the POI for the entry-level course. However, in all cases the match of tasks to POI elements reflected perfectly the match of tasks to the STS element that is referenced to the POI element. The SMEs looked at the POI element, found the referenced STS element, and copied the tasks that had already been matched to the STS element onto the POI element. They were satisfied with using this approach, but as a result the information from the POI matching process was completely redundant with the information from the STS matching process and will not be discussed separately in this OSR.

JOB SATISFACTION ANALYSIS

An examination of job satisfaction indicators can give career ladder managers a better understanding of factors that may affect the job performance of career ladder airmen. Therefore, the survey disk included attitude questions covering job interest, perceived utilization of talents and training, sense of accomplishment from work, and reenlistment intentions. The responses of the current sample were analyzed by making three comparisons. The first was a comparison among AD TAFMS groups of the AFSC 2F0X1 career ladder and a comparable sample consisting of other Logistics AFSCs surveyed in 1998 (Table 46). The second (Table 47) compared the present results to those from the most recent previous survey, which was in 1995. The third was across specialty groups identified in the SPECIALTY JOBS section of the report, and these results are shown in Tables 48, 49, and 50 for the AD, ANG, and AFRC components, respectively.

AD Job Satisfaction

Table 46 shows that, in general, AD members of the 2F0X1 career field find their work somewhat less interesting than the composite sample from other logistics career fields. The difference is appreciable among airmen in their first two enlistment terms, and minimal thereafter. Airmen in their first two enlistment terms also derive less of a sense of accomplishment from their work than do those in the comparable sample, and feel that their talents are not as well utilized. On the other hand, they do believe that their training is being put to good use, and their mild to moderate dissatisfaction has not affected their reenlistment intentions, which remain the same as or slightly higher than the comparable sample. There appear to be no major morale problems.

Table 47 compares these job satisfaction indices between the previous (1995) and present surveys, also for AD members by TAFMS groups. It is apparent that across the board, indices for job interest, use of talents and training, and sense of accomplishment have all decreased slightly among airmen in their first two enlistment terms, and have (for the most part) increased slightly for more senior personnel. None of these changes is dramatic in either direction. Nevertheless, reenlistment intentions show a fairly sharp downturn between survey years for the two younger TAFMS groups, and even a small downturn among more senior personnel. Such a pattern probably reflects a mild level of general dissatisfaction with the Air Force and the strong civilian job market more than any problems specific to this career field.

AD job satisfaction data by cluster and job groups are provided in Table 48. The data show considerable differences between jobs in all the indices of satisfaction. For example, members in the Fuels Lab Job and the Safety/Environmental Compliance Job are the most satisfied in terms of job interest, perceived use of training and talents, sense of accomplishment, and reenlistment intentions as a composite. Conversely, the least satisfied, by most measures, are the junior members in the entry-level jobs of the Mobile Distribution Operations Cluster, and this is reflected also in Tables 46 and 47, which provide job satisfaction information by TAFMS groups. The other clusters and jobs fall at various points in between these two extremes of

satisfaction. The bottom line, however, is that even among first-enlistment personnel, job satisfaction is not extremely poor, and reenlistment intentions are on a par with, or slightly above, those for the comparable sample of other logistics specialties.

ANG Job Satisfaction

Only job satisfaction indications across the cluster and job groups are examined for ANG members (Table 49) because of lack of TAFMS data. In general, all job satisfaction indices are high across all jobs, with only a couple of minor exceptions that are based on the opinions of small numbers of respondents.

AFRC Job Satisfaction

For the most part, job satisfaction indices for AFRC members are high (Table 50). Even members of the Mobile Distribution Operations Cluster are generally satisfied, compared to their AD counterparts. There are a couple of exceptions. For example, members of the Fuels Lab Job appear to be the least satisfied (recall that they were among the most satisfied AD members), but the figures are based on the responses of only three members. Similarly, there are only two AFRC members of the Training Cluster, and the figures appear relatively low because of the responses of one of these members.

IMPLICATIONS

As explained in the **INTRODUCTION**, this survey was conducted primarily to ensure the availability of current data for use in guiding the development and evaluation of training and to support planned changes within this career ladder. Typical uses of OA data include reviewing the present AFMAN 36-2108 *Specialty Description* for accuracy and the present STS and POI for adequacy. The findings in this OSR come directly from survey data collected from 2F0X1 personnel worldwide. Overall, the survey results show few problems with the career field in terms of personnel utilization, adequacy and efficiency of training, or job satisfaction/morale issues, and none of these problems appears serious.

The data are available to those concerned with making decisions regarding training and utilization within the career field, including the CFM, functional managers, and other interested parties. In addition, demographic (background) and job satisfaction data are available for those concerned with manpower and personnel issues, as well as training issues. However, OSRs present, for the most part, only a high-level summary and overview of the career field. Much of the data will be analyzed further and compiled into a series of extracts directed toward a particular audience or toward answering specific types of questions. These extracts should be consulted whenever additional training or utilization decisions are made.

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APPENDIX A

SELECTED REPRESENTATIVE TASKS PERFORMED BY MEMBERS OF CAREER LADDER JOBS

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TABLE A1

MOBILE DISTRIBUTION OPERATIONS CLUSTER
(STG055)

TASKS		PERCENT MEMBERS PERFORMING (N=606)
F0263	Perform normal flightline refueling or defueling servicing operations	81
B0042	Perform emergency shutdown procedures on fuels distribution vehicles	78
B0032	Inspect fire extinguishers	70
F0244	Inspect mobile fuels distribution vehicles	69
A0009	Monitor differential pressure	65
A0022	Visually inspect fuel samples for water, color, or contaminants	59
F0253	Perform concurrent servicing operations	58
B0033	Inspect markings or decals on equipment or facilities	56
B0048	Utilize personal safety equipment	55
F0262	Perform multisource refueling servicing operations	51
F0266	Perform preventive maintenance on fuels distribution facilities or equipment	48
E0230	Perform issue-from-bulk or return-to-bulk operations using mobile refueling vehicles	35
A0006	Investigate fuel gains or losses	35
A0016	Perform vegetation control	35
B0031	Inspect emergency showers	34
K0436	Inspect fire bottles	34
C0095	Monitor fuel servicing operations	33
B0034	Inspect or fill emergency eyewashes	31
F0267	Tow portable equipment	31
A0007	Maintain spill prevention and cleanup materials	31
B0040	Participate in firefighting training	30
B0043	Perform emergency shutdown procedures on hydrants	30
B0028	Ground or bond receipt vessels or conveyances, such as ocean tankers, barges, railway tank cars, or tank trucks	29
F0252	Perform cold integrated combat turnaround (ICT) servicing operations	29
K0432	Don or doff chemical warfare personal protective clothing	29

TABLE A2
BASIC MOBILE DISTRIBUTION JOB
(STG190)

TASKS		PERCENT MEMBERS PERFORMING (N=1607)
F0263	Perform normal flightline refueling or defueling servicing operations	99
F0262	Perform multisource refueling servicing operations	71
F0253	Perform concurrent servicing operations	70
F0244	Inspect mobile fuels distribution vehicles	66
B0042	Perform emergency shutdown procedures on fuels distribution vehicles	66
A0009	Monitor differential pressure	60
B0048	Utilize personal safety equipment	48
B0032	Inspect fire extinguishers	46
A0022	Visually inspect fuel samples for water, color, or contaminants	39
F0252	Perform cold integrated combat turnaround (ICT) servicing operations	36
F0266	Perform preventive maintenance on fuels distribution facilities or equipment	35
A0016	Perform vegetation control	33
F0260	Perform hot refueling servicing operations	29
C0095	Monitor fuel servicing operations	28
K0432	Don or doff chemical warfare personal protective clothing	28
E0230	Perform issue-from-bulk or return-to-bulk operations using mobile refueling vehicles	26
B0033	Inspect markings or decals on equipment or facilities	25
F0261	Perform in-shelter refueling servicing operations	24
A0006	Investigate fuel gains or losses	24
F0256	Perform flow-through refueling servicing operations	21
K0436	Inspect fire bottles	21

TABLE A3
MOBILE DISTRIBUTION JOB
(STG213)

TASKS	PERCENT MEMBERS PERFORMING (N=206)
F0263 Perform normal flightline refueling or defueling servicing operations	99
F0244 Inspect mobile fuels distribution vehicles	90
B0042 Perform emergency shutdown procedures on fuels distribution vehicles	89
F0253 Perform concurrent servicing operations	82
B0032 Inspect fire extinguishers	79
A0009 Monitor differential pressure	79
B0033 Inspect markings or decals on equipment or facilities	73
F0266 Perform preventive maintenance on fuels distribution facilities or equipment	69
A0022 Visually inspect fuel samples for water, color, or contaminants	67
F0262 Perform multisource refueling servicing operations	65
B0048 Utilize personal safety equipment	62
E0230 Perform issue-from-bulk or return-to-bulk operations using mobile refueling vehicles	58
K0436 Inspect fire bottles	52
F0267 Tow portable equipment	46
C0095 Monitor fuel servicing operations	45
A0006 Investigate fuel gains or losses	42
K0432 Don or doff chemical warfare personal protective clothing	39
B0031 Inspect emergency showers	39
F0251 Operate hydrant or storage systems to issue, defuel, store, transfer, or receive petroleum products	39
B0034 Inspect or fill emergency eyewashes	38
B0040 Participate in firefighting training	38
E0227 Operate fuel bowsers	38
F0240 Drain water from required equipment, such as tank trucks or semi-trailers	38
F0260 Perform hot refueling servicing operations	38
A0016 Perform vegetation control	35
B0043 Perform emergency shutdown procedures on hydrants	35

TABLE A4

FUEL DISTRIBUTION MONITOR JOB
(STG250)

TASKS		PERCENT MEMBERS PERFORMING (N=32)
B0032	Inspect fire extinguishers	100
F0244	Inspect mobile fuels distribution vehicles	97
B0033	Inspect markings or decals on equipment or facilities	94
B0042	Perform emergency shutdown procedures on fuels distribution vehicles	91
F0266	Perform preventive maintenance on fuels distribution facilities or equipment	88
B0031	Inspect emergency showers	88
A0022	Visually inspect fuel samples for water, color, or contaminants	84
B0048	Utilize personal safety equipment	75
B0034	Inspect or fill emergency eyewashes	75
E0227	Operate fuel bowzers	72
B0023	Apply reflective tape to equipment	72
F0267	Tow portable equipment	69
F0236	Coordinate mobile refueling vehicle maintenance with base refueling maintenance	66
K0463	Perform maintenance on refueling nozzles or related equipment	66
B0037	Maintain personal safety equipment	66
A0007	Maintain spill prevention and cleanup materials	66
B0036	Maintain hazardous waste spill kits	63
K0436	Inspect fire bottles	63
A0018	Store hazardous waste materials	63
F0240	Drain water from required equipment, such as tank trucks or semi-trailers	56
A0016	Perform vegetation control	56
F0238	Document inspection forms on refueling equipment	53
F0248	Isolate contaminated petroleum products found in mobile refueling vehicles	50
F0242	Inspect hose carts	44
F0255	Perform corrosion control on fuels distribution equipment and systems	44
A0009	Monitor differential pressure	41

TABLE A5
MOBILE DISTRIBUTION/CRYOGENICS JOB
(STG219)

TASKS	PERCENT MEMBERS PERFORMING (N=10)
A0013 Perform odor tests on cryogenic products	100
F0263 Perform normal flightline refueling or defueling servicing operations	90
A0009 Monitor differential pressure	90
G0304 Perform odor or particulate tests on LOX cryotainers or cryogenic production plants	80
G0287 Issue, receive, or transfer cryogenic products	80
A0015 Perform particulate tests on cryogenic products	80
A0016 Perform vegetation control	70
B0048 Utilize personal safety equipment	70
F0244 Inspect mobile fuels distribution vehicles	70
F0253 Perform concurrent servicing operations	70
A0022 Visually inspect fuel samples for water, color, or contaminants	60
B0032 Inspect fire extinguishers	60
G0277 Fill cylinders with LOX or liquid nitrogen (LIN)	60
F0262 Perform multisource refueling servicing operations	60
B0042 Perform emergency shutdown procedures on fuels distribution vehicles	60
D0163 Draw cryogenic samples	50
B0028 Ground or bond receipt vessels or conveyances, such as ocean tankers, barges, railway tank cars, or tank trucks	50
E0224 Operate automatic tank gauges (ATGs)	50
K0436 Inspect fire bottles 50.00 3.22 1.61 43.12	
G0328 Verify AFTO Forms 244 (Industrial/Support Equipment Record) for Red X items	50
F0266 Perform preventive maintenance on fuels distribution facilities or equipment	50
C0076 Download transactions from automated C-300 tank trucks	50
A0003 Check fuel tank high-level alarms or automatic high-level shutoff valves	50
B0033 Inspect markings or decals on equipment or facilities	40
G0283 Inspect cryotainers	40
G0278 Ground cryotainers	40
F0260 Perform hot refueling servicing operations	40

TABLE A6

SAFETY/PREVENTIVE MAINTENANCE JOB
(STG112)

TASKS		PERCENT MEMBERS PERFORMING (N=72)
B0032	Inspect fire extinguishers	97
B0033	Inspect markings or decals on equipment or facilities	89
A0022	Visually inspect fuel samples for water, color, or contaminants	82
B0042	Perform emergency shutdown procedures on fuels distribution vehicles	81
B0031	Inspect emergency showers	75
A0009	Monitor differential pressure	65
B0034	Inspect or fill emergency eyewashes	65
B0048	Utilize personal safety equipment	60
A0007	Maintain spill prevention and cleanup materials	56
A0006	Investigate fuel gains or losses	54
B0036	Maintain hazardous waste spill kits	49
B0043	Perform emergency shutdown procedures on hydrants	47
B0037	Maintain personal safety equipment	46
B0040	Participate in firefighting training	46
B0045	Perform emergency shutdown procedures on storage facilities	46
B0028	Ground or bond receipt vessels or conveyances, such as ocean tankers, barges, railway tank cars, or tank trucks	40
B0044	Perform emergency shutdown procedures on service station facilities	40
A0016	Perform vegetation control	39
A0011	Operate manual tank gauges	38
B0030	Inspect condition and cleanliness of protective clothing	36
B0023	Apply reflective tape to equipment	36
A0013	Perform odor tests on cryogenic products	32
A0003	Check fuel tank high-level alarms or automatic high-level shutoff valves	31
A0018	Store hazardous waste materials	29
C0095	Monitor fuel servicing operations	28
B0046	Procure personal safety equipment	28

TABLE A7

HYDRANTS/BULK STORAGE CLUSTER
(STG110)

TASKS	PERCENT MEMBERS PERFORMING (N=510)
B0032 Inspect fire extinguishers	94
B0033 Inspect markings or decals on equipment or facilities	88
B0031 Inspect emergency showers	88
E0226 Operate bulk storage systems to issue, receive, store, or transfer fuel	84
E0218 Inspect bulk storage facilities	81
E0230 Perform issue-from-bulk or return-to-bulk operations using mobile refueling vehicles	81
B0034 Inspect or fill emergency eyewashes	81
E0228 Operate separators or filters	81
E0224 Operate automatic tank gauges (ATGs)	79
A0022 Visually inspect fuel samples for water, color, or contaminants	78
E0227 Operate fuel bowzers	77
E0216 Gauge bulk storage tanks for fuel quantity, temperature, or water	76
A0009 Monitor differential pressure	75
B0048 Utilize personal safety equipment	72
E0231 Perform operator maintenance on bulk storage facilities	72
E0219 Inspect service station facilities	72
B0045 Perform emergency shutdown procedures on storage facilities	71
A0006 Investigate fuel gains or losses	70
A0007 Maintain spill prevention and cleanup materials	69
E0229 Perform dike draining activities	68
E0213 Document bulk storage systems issue, receipt, storage, or transfer of fuel	68
E0233 Perform return-to-bulk operations using fuel bowzers	67
F0251 Operate hydrant or storage systems to issue, defuel, store, transfer, or receive petroleum products	67
A0016 Perform vegetation control	67
E0225 Operate bulk storage product recovery systems	66
E0215 Drain water from bulk storage tanks	65
E0222 Maintain safe fill levels below high-level alarm levels	64
E0223 Operate automated service stations to issue, receive, store, or transfer fuel	64

TABLE A8

HYDRANTS JOB
(STG244)

TASKS		PERCENT MEMBERS PERFORMING (N=54)
B0032	Inspect fire extinguishers	98
F0243	Inspect hydrant systems	96
B0031	Inspect emergency showers	96
B0033	Inspect markings or decals on equipment or facilities	94
B0043	Perform emergency shutdown procedures on hydrants	94
F0251	Operate hydrant or storage systems to issue, defuel, store, transfer, or receive petroleum products	93
F0264	Perform operator maintenance on hydrant systems	91
B0034	Inspect or fill emergency eyewashes	89
F0241	Flush hydrant systems	87
A0009	Monitor differential pressure	83
F0239	Drain water from hydrant systems	81
F0235	Coordinate hydrant facility maintenance with liquid fuels maintenance (LFM)	80
A0006	Investigate fuel gains or losses	80
F0250	Maintain pits or low point drains	78
A0007	Maintain spill prevention and cleanup materials	76
B0036	Maintain hazardous waste spill kits	70
A0011	Operate manual tank gauges	69
A0016	Perform vegetation control	67
F0247	Isolate contaminated petroleum products found in hydrant systems	67
B0037	Maintain personal safety equipment	65
F0237	Coordinate required equipment maintenance with LFM	63
C0071	Direct hydrant fueling operations	59
E0227	Operate fuel bowsers	59
F0245	Inspect pantographs	55
A0010	Operate generators	54
A0022	Visually inspect fuel samples for water, color, or contaminants	52
B0048	Utilize personal safety equipment	50
F0263	Perform normal flightline refueling or defueling servicing operations	50
F0267	Tow portable equipment	49

TABLE A9

INITIAL BULK STORAGE JOB
(STG132)

TASKS		PERCENT MEMBERS PERFORMING (N=30)
E0218	Inspect bulk storage facilities	90
E0226	Operate bulk storage systems to issue, receive, store, or transfer fuel	80
E0224	Operate automatic tank gauges (ATGs)	77
E0216	Gauge bulk storage tanks for fuel quantity, temperature, or water	77
E0219	Inspect service station facilities	77
B0032	Inspect fire extinguishers	77
A0006	Investigate fuel gains or losses	63
B0033	Inspect markings or decals on equipment or facilities	63
A0011	Operate manual tank gauges	60
A0022	Visually inspect fuel samples for water, color, or contaminants	60
B0031	Inspect emergency showers	60
E0228	Operate separators or filters	60
E0213	Document bulk storage systems issue, receipt, storage, or transfer of fuel	57
E0225	Operate bulk storage product recovery systems	53
E0215	Drain water from bulk storage tanks	53
E0227	Operate fuel bowsers	53
E0233	Perform return-to-bulk operations using fuel bowsers	53
B0048	Utilize personal safety equipment	50
E0229	Perform dike draining activities	50
B0042	Perform emergency shutdown procedures on fuels distribution vehicles	50
B0034	Inspect or fill emergency eyewashes	50
E0223	Operate automated service stations to issue, receive, store, or transfer fuel	47
B0043	Perform emergency shutdown procedures on hydrants	47
F0263	Perform normal flightline refueling or defueling servicing operations	43
K0436	Inspect fire bottles	43
E0230	Perform issue-from-bulk or return-to-bulk operations using mobile refueling vehicles	43

TABLE A10

BULK STORAGE JOB
(STG157)

TASKS		PERCENT MEMBERS PERFORMING (N=425)
B0032	Inspect fire extinguishers	95
E0226	Operate bulk storage systems to issue, receive, store, or transfer fuel	93
E0218	Inspect bulk storage facilities	90
E0230	Perform issue-from-bulk or return-to-bulk operations using mobile refueling vehicles	90
B0033	Inspect markings or decals on equipment or facilities	89
B0031	Inspect emergency showers	88
E0228	Operate separators or filters	87
E0224	Operate automatic tank gauges (ATGs)	83
E0231	Perform operator maintenance on bulk storage facilities	83
E0216	Gauge bulk storage tanks for fuel quantity, temperature, or water	83
A0022	Visually inspect fuel samples for water, color, or contaminants	82
B0034	Inspect or fill emergency eyewashes	82
B0045	Perform emergency shutdown procedures on storage facilities	81
E0227	Operate fuel bowzers	81
E0219	Inspect service station facilities	80
B0048	Utilize personal safety equipment	77
A0009	Monitor differential pressure	77
E0213	Document bulk storage systems issue, receipt, storage, or transfer of fuel	76
E0223	Operate automated service stations to issue, receive, store, or transfer fuel	74
E0225	Operate bulk storage product recovery systems	74
E0233	Perform return-to-bulk operations using fuel bowzers	74
E0229	Perform dike draining activities	73
E0215	Drain water from bulk storage tanks	73
A0007	Maintain spill prevention and cleanup materials	71
E0232	Perform operator maintenance on service station facilities	70
E0222	Maintain safe fill levels below high-level alarm levels	69
E0212	Document inspection forms for service station or bulk storage facilities	69
A0016	Perform vegetation control	69

TABLE A11

FLIGHT INFORMATION SERVICE CENTER (FISC) CLUSTER
(STG134)

TASKS		PERCENT MEMBERS PERFORMING (N=295)
B0032	Inspect fire extinguishers	90
A0022	Visually inspect fuel samples for water, color, or contaminants	90
B0048	Utilize personal safety equipment	87
B0042	Perform emergency shutdown procedures on fuels distribution vehicles	86
B0033	Inspect markings or decals on equipment or facilities	85
F0263	Perform normal flightline refueling or defueling servicing operations	85
F0244	Inspect mobile fuels distribution vehicles	84
C0095	Monitor fuel servicing operations	81
B0031	Inspect emergency showers	81
C0074	Dispatch fuel requests	81
D0162	Document equipment differential pressures	78
A0009	Monitor differential pressure	78
F0266	Perform preventive maintenance on fuels distribution facilities or equipment	78
D0167	Draw petroleum samples using in-line samplers	78
A0006	Investigate fuel gains or losses	75
F0238	Document inspection forms on refueling equipment	75
F0257	Perform fuels expeditor duties	75
D0171	Identify contaminated petroleum products	75
D0157	Clean laboratory testing equipment	74
B0034	Inspect or fill emergency eyewashes	74
D0187	Coordinate sampling of fuels equipment with fuels laboratory	74
E0228	Operate separators or filters	74
E0230	Perform issue-from-bulk or return-to-bulk operations using mobile refueling vehicles	73
C0090	Maintain servicing clipboards for mobile fueling vehicles	73
C0140	Review aircraft flying schedules	72
C0072	Direct mobile fueling operations	72
D0191	Perform flash point tests	71
K0436	Inspect fire bottles	71
E0218	Inspect bulk storage facilities	71

TABLE A12

BASIC FISC JOB
(STG232)

TASKS		PERCENT MEMBERS PERFORMING (N=37)
B0042	Perform emergency shutdown procedures on fuels distribution vehicles	97
F0263	Perform normal flightline refueling or defueling servicing operations	95
C0072	Direct mobile fueling operations	95
F0244	Inspect mobile fuels distribution vehicles	95
B0048	Utilize personal safety equipment	89
C0073	Direct utilization of fuels equipment	89
A0022	Visually inspect fuel samples for water, color, or contaminants	86
C0095	Monitor fuel servicing operations	84
F0266	Perform preventive maintenance on fuels distribution facilities or equipment	84
B0032	Inspect fire extinguishers	84
B0033	Inspect markings or decals on equipment or facilities	81
C0090	Maintain servicing clipboards for mobile fueling vehicles	78
F0255	Perform corrosion control on fuels distribution equipment and systems	78
F0257	Perform fuels expeditor duties	78
K0432	Don or doff chemical warfare personal protective clothing	78
C0074	Dispatch fuel requests	76
F0238	Document inspection forms on refueling equipment	73
K0436	Inspect fire bottles	73
C0140	Review aircraft flying schedules	70
M0551	Conduct on-the-job training (OJT)	70
B0037	Maintain personal safety equipment	70
F0240	Drain water from required equipment, such as tank trucks or semi-trailers	68
A0009	Monitor differential pressure	68
F0253	Perform concurrent servicing operations	68
C0085	Maintain automated forms and equipment status log sheets	65
C0091	Maintain status boards, charts, or graphs	65
C0097	Notify workcenters of weather warnings	65
E0230	Perform issue-from-bulk or return-to-bulk operations using mobile refueling vehicles	62

TABLE A13

FISC JOB
(STG211)

TASKS		PERCENT MEMBERS PERFORMING (N=247)
B0032	Inspect fire extinguishers	91
A0022	Visually inspect fuel samples for water, color, or contaminants	90
B0031	Inspect emergency showers	87
B0048	Utilize personal safety equipment	87
B0033	Inspect markings or decals on equipment or facilities	86
B0042	Perform emergency shutdown procedures on fuels distribution vehicles	84
D0167	Draw petroleum samples using in-line samplers	84
F0263	Perform normal flightline refueling or defueling	83
F0244	Inspect mobile fuels distribution vehicles	83
D0162	Document equipment differential pressures	83
C0074	Dispatch fuel requests	82
D0191	Perform flash point tests	81
D0171	Identify contaminated petroleum products	81
C0095	Monitor fuel servicing operations	81
D0187	Perform conductivity tests	81
D0157	Clean laboratory testing equipment	80
E0228	Operate separators or filters	80
A0009	Monitor differential pressure	79
C0067	Coordinate sampling of fuels equipment with fuels laboratory	78
A0006	Investigate fuel gains or losses	77
E0218	Inspect bulk storage facilities	77
F0266	Perform preventive maintenance on fuels distribution	77
D0172	Identify reclaimable fuels	77
E0226	Operate bulk storage systems to issue, receive, store, or transfer fuel	77
E0224	Operate automatic tank gauges (ATGs)	77
F0238	Document inspection forms on refueling equipment	76
B0034	Inspect or fill emergency eyewashes	76

TABLE A14

MANAGEMENT/SUPERVISION CLUSTER
(STG141)

TASKS		PERCENT MEMBERS PERFORMING (N=280)
L0525	Inspect personnel for compliance with military standards	92
L0499	Counsel subordinates concerning personal or professional matters	91
L0541	Write recommendations for awards or decorations	88
L0540	Write or indorse military performance reports	87
L0497	Conduct supervisory performance feedback sessions	87
L0518	Evaluate personnel for compliance with performance standards	86
L0526	Interpret policies, directives, or procedures for subordinates	80
L0498	Conduct supervisory orientations for newly assigned personnel	77
L0542	Write replies to inspection reports	76
L0510	Develop or establish work schedules	74
L0514	Establish performance standards for subordinates	73
L0501	Determine or establish work assignments or priorities	73
M0554	Counsel trainees on training progress	70
L0519	Evaluate personnel for promotion, demotion, reclassification, or special awards	70
L0527	Investigate accidents or incidents	69
L0535	Schedule personnel for TDY assignments, leaves, or passes	64
L0523	Initiate actions required due to substandard performance of personnel	63
C0095	Monitor fuel servicing operations	61
M0551	Conduct on-the-job training (OJT)	61
L0492	Assign personnel to work areas or duty positions	60
B0048	Utilize personal safety equipment	59
M0566	Evaluate progress of trainees	58
M0544	Brief personnel concerning training programs or matters	58
F0257	Perform fuels expeditor duties	56
B0026	Conduct workcenter job safety training	55
L0495	Conduct self-inspections or self-assessments	54
L0517	Evaluate job hazards or compliance with Air Force Occupational Safety and Health (AFOSH) program	54
L0509	Develop or establish work methods or procedures	54

TABLE A15

FLIGHTLINE SHIFT SUPERVISOR/NCOIC JOB
(STG163)

TASKS		PERCENT MEMBERS PERFORMING (N=145)
L0525	Inspect personnel for compliance with military standards	91
L0499	Counsel subordinates concerning personal or professional matters	87
L0540	Write or indorse military performance reports	87
L0541	Write recommendations for awards or decorations	86
M0554	Counsel trainees on training progress	84
F0257	Perform fuels expeditor duties	83
L0518	Evaluate personnel for compliance with performance standards	81
L0497	Conduct supervisory performance feedback sessions	81
M0551	Conduct on-the-job training (OJT)	77
C0095	Monitor fuel servicing operations	73
F0263	Perform normal flightline refueling or defueling servicing operations	73
B0048	Utilize personal safety equipment	72
L0526	Interpret policies, directives, or procedures for subordinates	68
L0510	Develop or establish work schedules	67
L0498	Conduct supervisory orientations for newly assigned personnel	67
L0514	Establish performance standards for subordinates	67
M0566	Evaluate progress of trainees	66
L0542	Write replies to inspection reports	65
B0042	Perform emergency shutdown procedures on fuels distribution vehicles	63
M0544	Brief personnel concerning training programs or matters	62
B0032	Inspect fire extinguishers	62
L0501	Determine or establish work assignments or priorities	60
F0244	Inspect mobile fuels distribution vehicles	60
F0262	Perform multisource refueling servicing operations	59
F0253	Perform concurrent servicing operations	59
C0072	Direct mobile fueling operations	58
B0026	Conduct workcenter job safety training	57

TABLE A16

BULK STORAGE NCOIC JOB
(STG183)

TASKS		PERCENT MEMBERS PERFORMING (N=10)
L0499	Counsel subordinates concerning personal or professional matters	100
L0497	Conduct supervisory performance feedback sessions	90
L0525	Inspect personnel for compliance with military standards	90
E0218	Inspect bulk storage facilities	90
E0212	Document inspection forms for service station or bulk storage facilities	90
E0211	Coordinate fuel transfers and receipts with RCC or appropriate agencies	90
L0518	Evaluate personnel for compliance with performance standards	80
L0498	Conduct supervisory orientations for newly assigned personnel	80
L0541	Write recommendations for awards or decorations	80
E0219	Inspect service station facilities	80
L0501	Determine or establish work assignments or priorities	70
L0526	Interpret policies, directives, or procedures for subordinates	70
L0514	Establish performance standards for subordinates	70
L0540	Write or indorse military performance reports	70
E0222	Maintain safe fill levels below high-level alarm levels	70
E0210	Coordinate fuel pipeline receipts with contractors	70
E0209	Coordinate bulk storage or service station maintenance with base civil engineer (BCE)	70
B0032	Inspect fire extinguishers	70
A0006	Investigate fuel gains or losses	70
A0007	Maintain spill prevention and cleanup materials	70
A0008	Manage material safety data sheet (MSDS) programs	70
L0495	Conduct self-inspections or self-assessments	60
L0500	Determine or establish logistics requirements, such as personnel, equipment, tools, parts, supplies, or workspace	60
L0542	Write replies to inspection reports	60
L0510	Develop or establish work schedules	60
L0527	Investigate accidents or incidents	60
B0033	Inspect markings or decals on equipment or facilities	60

TABLE A17

SUPERINTENDENT JOB
(STG215)

TASKS	PERCENT MEMBERS PERFORMING (N=121)
L0499 Counsel subordinates concerning personal or professional matters	97
L0525 Inspect personnel for compliance with military standards	95
L0497 Conduct supervisory performance feedback sessions	95
L0526 Interpret policies, directives, or procedures for subordinates	94
L0541 Write recommendations for awards or decorations	93
L0518 Evaluate personnel for compliance with performance standards	91
L0542 Write replies to inspection reports	90
L0540 Write or indorse military performance reports	89
L0519 Evaluate personnel for promotion, demotion, reclassification, or special awards	89
L0498 Conduct supervisory orientations for newly assigned personnel	89
L0501 Determine or establish work assignments or priorities	88
L0527 Investigate accidents or incidents	88
L0510 Develop or establish work schedules	84
L0509 Develop or establish work methods or procedures	83
L0514 Establish performance standards for subordinates	82
L0492 Assign personnel to work areas or duty positions	81
L0535 Schedule personnel for TDY assignments, leaves, or passes	80
L0516 Evaluate inspection report findings or inspection procedures	80
L0494 Conduct general meetings, such as staff meetings, briefings, conferences, or workshops	79
L0500 Determine or establish logistics requirements, such as personnel, equipment, tools, parts, supplies, or workspace	79
L0523 Initiate actions required due to substandard performance of personnel	79
L0537 Write job or position descriptions	79
L0517 Evaluate job hazards or compliance with Air Force Occupational Safety and Health (AFOSH) program	76
L0495 Conduct self-inspections or self-assessments	73
L0520 Evaluate maintenance or utilization of equipment, tools, parts, supplies, or workspace	72

TABLE A18

TRAINING CLUSTER
(STG166)

TASKS		PERCENT MEMBERS PERFORMING (N=70)
M0580	Track core tasks for completion to upgrade to next skill level	97
M0578	Schedule ancillary or recurring training	94
M0577	Provide RCC with updated personnel qualification rosters (PQRs)	91
M0564	Evaluate training records according to CFETP	89
M0566	Evaluate progress of trainees	89
M0575	Provide RCC with list of qualified generator operators	89
M0576	Provide RCC with list of tank custodians	89
M0562	Establish or maintain study reference files	87
M0571	Maintain qualification charts	86
M0544	Brief personnel concerning training programs or matters	86
M0579	Schedule base specific core task training	84
M0554	Counsel trainees on training progress	83
M0555	Determine training requirements	81
M0559	Develop rotational training and familiarization programs	80
M0570	Maintain master training plans	80
M0561	Develop or procure training materials or aids	80
M0549	Conduct organizational tank custodian training	79
M0568	Maintain lesson plans for flight assigned equipment	77
M0565	Evaluate effectiveness of training programs, plans, or procedures	74
K0453	Participate in mobility exercise processing	74
M0567	Inspect training materials or aids for operation or suitability	73
K0410	Assign personnel to mobility or contingency positions	73
K0411	Brief deploying personnel	73
M0543	Administer or score tests	72
N0592	Review property custodian authorization/custody receipt listings (CA/CRLs)	69
M0572	Maintain training records or files, other than for FARP training	67
K0438	Inspect mobility bags or kits	67
M0582	Write training reports	64
M0560	Develop written tests	63

TABLE A19

OJT MANAGERS/SCHEDULERS JOB
(STG260)

TASKS	PERCENT MEMBERS PERFORMING (N=59)
M0580 Track core tasks for completion to upgrade to next skill level	100
M0578 Schedule ancillary or recurring training	97
M0544 Brief personnel concerning training programs or matters	93
M0577 Provide RCC with updated personnel qualification rosters (PQRs)	93
M0576 Provide RCC with list of tank custodians	93
M0575 Provide RCC with list of qualified generator operators	92
M0566 Evaluate progress of trainees	90
M0571 Maintain qualification charts	88
M0564 Evaluate training records according to CFETP	88
M0562 Establish or maintain study reference files	86
M0561 Develop or procure training materials or aids	86
M0579 Schedule base specific core task training	85
K0453 Participate in mobility exercise processing	83
M0554 Counsel trainees on training progress	83
K0411 Brief deploying personnel	83
M0568 Maintain lesson plans for flight assigned equipment	83
M0549 Conduct organizational tank custodian training	83
K0410 Assign personnel to mobility or contingency positions	82
M0555 Determine training requirements	80
M0559 Develop rotational training and familiarization programs	80
M0567 Inspect training materials or aids for operation or suitability	80
M0570 Maintain master training plans	80
M0543 Administer or score tests	78
K0438 Inspect mobility bags or kits	78
M0565 Evaluate effectiveness of training programs, plans, or procedures	78
N0592 Review property custodian authorization/custody receipt listings (CA/CRLs)	78
M0560 Develop written tests	71
M0572 Maintain training records or files, other than for FARP training	68

TABLE A20

OJT JOB
(STG242)

TASKS		PERCENT MEMBERS PERFORMING (N=11)
M0564	Evaluate training records according to CFETP	91
M0555	Determine training requirements	91
M0562	Establish or maintain study reference files	91
M0580	Track core tasks for completion to upgrade to next skill level	82
M0566	Evaluate progress of trainees	82
M0579	Schedule base specific core task training	82
M0559	Develop rotational training and familiarization programs	82
M0578	Schedule ancillary or recurring training	82
M0570	Maintain master training plans	82
M0554	Counsel trainees on training progress	82
M0577	Provide RCC with updated personnel qualification rosters (PQRs)	82
M0571	Maintain qualification charts	73
M0575	Provide RCC with list of qualified generator operators	73
M0576	Provide RCC with list of tank custodians	64
M0572	Maintain training records or files, other than for FARP training	64
M0563	Evaluate training methods or techniques of instructors	64
M0558	Develop publication familiarization training	64
M0557	Develop master training plans	64
M0565	Evaluate effectiveness of training programs, plans, or procedures	55
M0549	Conduct organizational tank custodian training	55
M0568	Maintain lesson plans for flight assigned equipment	45
M0582	Write training reports	45
L0498	Conduct supervisory orientations for newly assigned personnel	45
M0544	Brief personnel concerning training programs or matters	45
M0561	Develop or procure training materials or aids	45
M0551	Conduct on-the-job training (OJT)	36

TABLE A21

FUELS LAB JOB
(STG259)

TASKS		PERCENT MEMBERS PERFORMING (N=94)
D0167	Draw petroleum samples using in-line samplers	98
D0187	Perform conductivity tests	97
D0190	Perform fiber tests	97
A0022	Visually inspect fuel samples for water, color, or	96
D0205	Perform total solids sediment tests using single-filter weight monitor	96
D0157	Clean laboratory testing equipment	96
D0175	Maintain laboratory sampling equipment	96
D0207	Prepare laboratory samples for testing	96
D0203	Perform total solids sediment tests using bottle methods	95
D0174	Maintain laboratory analysis equipment	95
D0191	Perform flash point tests	95
D0202	Perform time filtrations	95
D0176	Maintain laboratory temperature at 73+/-5 degrees	94
D0158	Control fuel quantities in laboratory area	93
D0161	Determine fuel system ice inhibitor (FSII) content	91
D0195	Perform laboratory continuity tests	91
D0173	Input test results and produce data using FAS	90
D0179	Monitor quality control (QC) hold programs	90
D0182	Perform aeronautical engineering laboratory (AEL) water tests	89
D0162	Document equipment differential pressures	89
D0171	Identify contaminated petroleum products	89
D0184	Perform American Petroleum Institute (API) specific gravity tests	89
D0204	Perform total solids sediment tests using matched weight monitor	89
A0009	Monitor differential pressure	87
D0177	Monitor danger tag programs	87
D0178	Monitor lock out/tag out programs	87
D0172	Identify reclaimable fuels	85
D0206	Prepare laboratory samples for shipment	85
D0164	Draw petroleum samples using bomb or weighted bottle samplers	84
D0183	Perform aircraft sump sample tests	83
D0169	Establish or maintain crash kits	82

TABLE A22
CRYOGENICS JOB
(STG333)

TASKS		PERCENT MEMBERS PERFORMING (N=56)
G0283	Inspect cryotainers	100
G0287	Issue, receive, or transfer cryogenic products	98
G0290	Maintain cryogenic storage areas	98
G0281	Inspect cryogenic storage areas	98
G0282	Inspect cryogenic support equipment	98
G0291	Maintain cryogenic support equipment	98
A0013	Perform odor tests on cryogenic products	96
G0318	Purge cryotainers	96
G0305	Perform operator maintenance on cryogenic facilities	95
G0292	Maintain cryotainers	95
G0328	Verify AFTO Forms 244 (Industrial/Support Equipment Record) for Red X items	95
G0278	Ground cryotainers	95
G0289	Maintain cryogenic safety equipment	93
G0317	Pull a vacuum on cryotainers	93
G0286	Inventory cryogenic products or equipment	91
G0320	Record and maintain historical data on cryogenic production plants, cryotainers, or support equipment	91
G0304	Perform odor or particulate tests on LOX cryotainers or cryogenic production plants	91
G0285	Inspect pressure or quantity gauges for cryogenic products	91
G0294	Obtain vacuum readings	88
G0326	Sample cryotainers	86
G0272	Clean liquid oxygen (LOX) components	86
G0300	Perform corrosion control on cryogenic equipment	84
G0307	Perform purity tests on cryogenic products	84
G0284	Inspect cylinders	82
G0280	Inspect cryogenic production plants	82
B0041	Perform emergency shutdown procedures on cryogenic facilities	82
G0277	Fill cylinders with LOX or liquid nitrogen (LIN)	80
D0170	Identify contaminated cryogenic products	80
G0316	Produce LOX or LIN	79

TABLE A23

ENVIRONMENTAL/SAFETY COMPLIANCE JOB
(STG248)

TASKS		PERCENT MEMBERS PERFORMING (N=41)
H0338	Conduct safety inspections of fuels elements	100
H0339	Distribute inspection reports	100
H0335	Conduct inspections of facilities and personnel	98
L0536	Write inspection reports	95
H0333	Conduct follow-on inspections of fuels elements receiving unsatisfactory ratings	95
H0336	Conduct no-notice spot-check inspections of fuels operations	93
H0337	Conduct recurring safety briefings	
H0331	Conduct crossfeed or special interest inspections of fuels elements	88
H0329	Brief fuels element supervisors or outside agencies on internal assessment findings	88
L0525	Inspect personnel for compliance with military standards	85
L0518	Evaluate personnel for compliance with performance standards	83
H0340	Evaluate environmental impact of fuels operations	83
H0342	Perform exercise evaluation duties	80
L0517	Evaluate job hazards or compliance with Air Force Occupational Safety and Health (AFOSH) program	78
H0343	Record, track, or investigate flight safety mishaps	78
L0527	Investigate accidents or incidents	76
H0330	Complete accident or incident reports	76
L0495	Conduct self-inspections or self-assessments	73
H0341	Monitor AF Forms 457 (USAF Hazard Report)	73
H0332	Conduct external inspections on organizational tanks	71
B0032	Inspect fire extinguishers	68
B0031	Inspect emergency showers	68
B0033	Inspect markings or decals on equipment or facilities	68
H0334	Conduct fraud, waste, and abuse inspections	66
B0047	Standardize AF Forms 55 (Employee Safety and Health Record) for flight personnel	66

TABLE A24

FUEL CONTROLLER JOB
(STG271)

TASKS		PERCENT MEMBERS PERFORMING (N=148)
C0074	Dispatch fuel requests	98
C0090	Maintain servicing clipboards for mobile fueling vehicles	98
C0087	Maintain keys for fuels facilities	97
C0091	Maintain status boards, charts, or graphs	96
C0097	Notify workcenters of weather warnings	96
C0088	Maintain intrabase radios	92
C0089	Maintain RCC relocation kits	90
C0084	Inventory intrabase radios	89
C0072	Direct mobile fueling operations	85
C0085	Maintain automated forms and equipment status log sheets	84
C0070	Direct ground product fueling operations	82
C0095	Monitor fuel servicing operations	82
C0073	Direct utilization of fuels equipment	82
C0092	Maintain telephone control logs	80
C0083	Initiate or maintain standby rosters or work center pyramid recall rosters	77
C0140	Review aircraft flying schedules	74
C0082	Initiate resource control center (RCC) relocation/plot grid coordinates	73
C0049	Activate pyramid alert recall plans	72
C0077	Emboss aviation fuel identaplates	72
A0006	Investigate fuel gains or losses	70
C0071	Direct hydrant fueling operations	69
C0056	Back up fuels automated system (FAS) data	67
C0064	Coordinate fuel requirements with maintenance job control	59
C0067	Coordinate sampling of fuels equipment with fuels laboratory	53
C0068	Coordinate support services with appropriate agencies	52
C0078	Emboss equipment station plates or ground fuel servoplates	49
C0060	Control secure telephone units (STU IIIs)	45

TABLE A25

FUEL ACCOUNTANT JOB
(STG326)

TASKS	PERCENT MEMBERS PERFORMING (N=133)
C0104 Process fuels automated management system (FAMS) transactions	98
C0110 Process issues for aviation products	96
C0128 Process requisitions to SBSS	96
C0150 Review and clear SBSS rejects	96
C0119 Process receipts for aviation products	95
C0149 Review and clear rejects within FAMS	95
C0112 Process issues for ground or heating fuels	93
C0102 Process defuels for aviation products	93
C0101 Process defense fuels automated management system (DFAMS) transactions	92
A0006 Investigate fuel gains or losses	92
C0141 Review inventory forms for aviation products	92
C0133 Process reverse-post transactions	92
C0079 Encode vehicle identification links (VILs)	92
C0138 Process, monitor, or inventory data in FAS	90
C0106 Process inventory adjustments for aviation products	90
C0056 Back up fuels automated system (FAS) data	90
C0125 Process fuel or cryogenic receipts to standard base supply system (SBSS)	89
C0108 Process inventory adjustments for ground or heating fuels	89
C0129 Process requisitions for aviation products	89
C0094 Monitor computer rejects, management notices, or delinquent document suspenses	88
C0053 Audit monthly fuels management data reports (M34s)	87
C0145 Review inventory forms for ground or heating fuels	86
C0075 Download automated service stations	86
C0123 Process receipts for ground or heating fuels	85
C0131 Process requisitions for ground or heating fuels	83
C0148 Review and clear P-series rejects from DFAMS	83
C0134 Process shipments for aviation products	83
C0050 Audit daily fuels management data reports (D05s)	83

TABLE A26

LAN/COMPUTER SYSTEMS SUPPORT JOB
(STG270)

TASKS		PERCENT MEMBERS PERFORMING (N=23)
J0406	Troubleshoot computer equipment, such as monitors, keyboards, or CPUs	100
J0408	Troubleshoot peripherals, such as printers, scanners, or speakers	100
J0386	Install computer equipment, hardware, or peripherals, such as central processing units (CPUs), monitors, or keyboards	100
J0378	Create, modify, or delete directories, folders, or files	100
J0407	Troubleshoot network connectivity	96
J0405	Troubleshoot applications or operating systems software	96
J0387	Install internal components, such as network interface cards, memory chips, or sound cards	96
J0388	Install, modify, or remove applications software	96
J0373	Configure peripherals, such as printers, scanners, or speakers	96
J0374	Configure workstations for network connectivity	96
J0376	Connect peripherals, such as printers, scanners, or speakers	96
J0375	Connect network cables to systems	96
J0383	Format drives	96
J0377	Create boot disks	96
J0372	Configure internal components, such as network interface cards, memory chips, or sound cards	91
J0389	Install, modify, or remove systems securities, such as passwords or screensavers	91
J0369	Change client or user profiles	83
J0399	Perform initial workstation setups	83
J0404	Transfer files	78
J0403	Run network cables	78
J0366	Add or delete clients or users	78
J0368	Back up or restore drives	74
J0397	Manage workcenter electronic mail (e-mail) accounts	70

TABLE A27

MAJCOM FUNCTIONAL MANAGERS JOB
(STG176)

TASKS		PERCENT MEMBERS PERFORMING (N=11)
J0380	Distribute correspondence or publications	100
J0401	Prepare correspondence	91
K0418	Coordinate deployment of personnel with other MAJCOMs or joint service commands	91
J0385	Initiate requests for TDY orders	91
L0538	Write staff studies, surveys, or routine reports, other than training or inspection reports	82
L0496	Conduct staff assistance visits	82
J0409	Write minutes of briefings, conferences, or meetings	82
J0378	Create, modify, or delete directories, folders, or files	82
L0534	Review drafts of supplements or changes to directives, such as policy directives, instructions, or manuals	73
L0524	Initiate or coordinate plans for future military construction (MILCON) projects	73
J0391	Maintain administrative files	73
J0379	Destroy classified materials or documents	73
J0376	Connect peripherals, such as printers, scanners, or speakers	73
J0402	Review TO changes	73
J0382	Establish or maintain accountability records for subordinates classified materials or documents	73
L0526	Interpret policies, directives, or procedures for	64
L0494	Conduct general meetings, such as staff meetings, briefings, conferences, or workshops	64
C0081	Initiate classified reports, messages, or documents	64
K0423	Coordinate mobility or contingency requirements with appropriate agencies	64
K0419	Coordinate exercise sourcing requirements with functional managers	64
J0396	Maintain TO libraries	64
J0400	Prepare administrative or classified materials or documents for mailing, transporting, or issue	64

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APPENDIX B

TABLES 5-50

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TABLE 5

AVERAGE PERCENT TIME SPENT ON DUTIES
BY CAREER LADDER JOBS

DUTIES	MOBILE DIST. OPS. CLUSTER (STG055)	HYDRANTS/ BULK STORAGE CLUSTER (STG110)	FISC CLUSTER (STG134)	MANAGEMENT/ SUPERVISION CLUSTER (STG141)
A PERFORMING GENERAL FUELS ACTIVITIES	12	10	5	3
B PERFORMING SAFETY ACTIVITIES	22	15	8	7
C PERFORMING RESOURCE CONTROL CENTER (RCC) ACTIVITIES	8	7	20	10
D PERFORMING FUELS LABORATORY ACTIVITIES	2	3	16	1
E PERFORMING BULK STORAGE OR SERVICE STATION ACTIVITIES	7	24	8	2
F PERFORMING FUELS DISTRIBUTION ACTIVITIES	36	16	9	8
G PERFORMING CRYOGENIC PRODUCTION OR STORAGE ACTIVITIES	2	9	6	1
H PERFORMING COMPLIANCE ACTIVITIES	*	1	3	4
I PERFORMING ENVIRONMENTAL ACTIVITIES	1	2	2	1
J PERFORMING FLIGHT ADMINISTRATION OR LOCAL AREA NETWORK (LAN) ACTIVITIES	*	1	5	4
K PERFORMING MOBILITY AND CONTINGENCY ACTIVITIES	6	4	5	5
L PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES	1	5	7	40
M PERFORMING TRAINING ACTIVITIES	1	2	5	13
N PERFORMING GENERAL SUPPLY AND EQUIPMENT ACTIVITIES	1	1	1	1

* Indicates less than 1 percent

TABLE 5 (CONTINUED)

AVERAGE PERCENT TIME SPENT ON DUTIES
BY CAREER LADDER JOBS

DUTIES	TRAINING CLUSTER (STG166)	FUELS LAB JOB (STG259)	CRYOGENICS JOB (STG333)	SAFETY/ENV. COMPLIANCE JOB (STG248)
A PERFORMING GENERAL FUELS ACTIVITIES	1	7	6	2
B PERFORMING SAFETY ACTIVITIES	4	8	10	9
C PERFORMING RESOURCE CONTROL CENTER (RCC) ACTIVITIES	2	4	3	3
D PERFORMING FUELS LABORATORY ACTIVITIES	*	64	3	2
E PERFORMING BULK STORAGE OR SERVICE STATION ACTIVITIES	*	2	1	1
F PERFORMING FUELS DISTRIBUTION ACTIVITIES	1	3	1	2
G PERFORMING CRYOGENIC PRODUCTION OR STORAGE ACTIVITIES	1	2	58	1
H PERFORMING COMPLIANCE ACTIVITIES	1	1	1	30
I PERFORMING ENVIRONMENTAL ACTIVITIES	*	1	1	8
J PERFORMING FLIGHT ADMINISTRATION OR LOCAL AREA NETWORK (LAN) ACTIVITIES	7	1	3	3
K PERFORMING MOBILITY AND CONTINGENCY ACTIVITIES	18	2	2	2
L PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES	13	2	5	32
M PERFORMING TRAINING ACTIVITIES	44	2	4	4
N PERFORMING GENERAL SUPPLY AND EQUIPMENT ACTIVITIES	7	*	2	1

* Indicates less than 1 percent

TABLE 5 (CONTINUED)

AVERAGE PERCENT TIME SPENT ON DUTIES
BY CAREER LADDER JOBS

DUTIES	FUELS CONTROLLER JOB		FUELS ACCOUNTANT JOB		LAN/ COMPUTER SYS. SUPPORT JOB		MAJCOM FUNCT. MGR. JOB	
	(STG271)	(STG271)	(STG326)	(STG326)	(STG270)	(STG270)	(STG176)	(STG176)
A PERFORMING GENERAL FUELS ACTIVITIES	3		3		1		*	*
B PERFORMING SAFETY ACTIVITIES	4		1		2		*	*
C PERFORMING RESOURCE CONTROL CENTER (RCC) ACTIVITIES	71		81		5		8	8
D PERFORMING FUELS LABORATORY ACTIVITIES	1		*		0		*	*
E PERFORMING BULK STORAGE OR SERVICE STATION ACTIVITIES	1		1		1		0	0
F PERFORMING FUELS DISTRIBUTION ACTIVITIES	3		1		2		0	0
G PERFORMING CRYOGENIC PRODUCTION OR STORAGE ACTIVITIES	*		*		*		0	0
H PERFORMING COMPLIANCE ACTIVITIES	*		*		1		2	2
I PERFORMING ENVIRONMENTAL ACTIVITIES	*		*		1		*	*
J PERFORMING FLIGHT ADMINISTRATION OR LOCAL AREA NETWORK (LAN) ACTIVITIES	3		6		72		37	37
K PERFORMING MOBILITY AND CONTINGENCY ACTIVITIES	2		1		2		18	18
L PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES	8		3		9		31	31
M PERFORMING TRAINING ACTIVITIES	3		2		3		2	2
N PERFORMING GENERAL SUPPLY AND EQUIPMENT ACTIVITIES	*		*		*		1	1

* Indicates less than 1 percent

TABLE 6

AVERAGE PERCENT TIME SPENT ON DUTIES
BY CAREER LADDER JOBS (AD)

DUTIES	MOBILE DIST. OPS. CLUSTER (STG055)	HYDRANTS/ BULK STORAGE CLUSTER (STG110)	FISC CLUSTER (STG134)	MANAGEMENT/ SUPERVISION CLUSTER (STG141)
A PERFORMING GENERAL FUELS ACTIVITIES	13	10	4	3
B PERFORMING SAFETY ACTIVITIES	23	15	7	7
C PERFORMING RESOURCE CONTROL CENTER (RCC) ACTIVITIES	7	6	24	9
D PERFORMING FUELS LABORATORY ACTIVITIES	1	2	11	1
E PERFORMING BULK STORAGE OR SERVICE STATION ACTIVITIES	5	26	5	2
F PERFORMING FUELS DISTRIBUTION ACTIVITIES	39	16	7	9
G PERFORMING CRYOGENIC PRODUCTION OR STORAGE ACTIVITIES	1	8	3	1
H PERFORMING COMPLIANCE ACTIVITIES	*	1	3	4
I PERFORMING ENVIRONMENTAL ACTIVITIES	1	2	2	1
J PERFORMING FLIGHT ADMINISTRATION OR LOCAL AREA NETWORK (LAN) ACTIVITIES	*	1	10	4
K PERFORMING MOBILITY AND CONTINGENCY ACTIVITIES	6	4	5	5
L PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES	1	5	12	40
M PERFORMING TRAINING ACTIVITIES	1	3	5	13
N PERFORMING GENERAL SUPPLY AND EQUIPMENT ACTIVITIES	1	1	2	1

* Indicates less than 1 percent

TABLE 6 (CONTINUED)

AVERAGE PERCENT TIME SPENT ON DUTIES
BY CAREER LADDER JOBS (AD)

DUTIES	TRAINING CLUSTER (STG166)	FUELS LAB JOB (STG259)	CRYOGENICS JOB (STG333)	SAFETY/ENV. COMPLIANCE JOB (STG248)
A PERFORMING GENERAL FUELS ACTIVITIES	1	8	5	2
B PERFORMING SAFETY ACTIVITIES	4	8	10	9
C PERFORMING RESOURCE CONTROL CENTER (RCC) ACTIVITIES	2	4	3	3
D PERFORMING FUELS LABORATORY ACTIVITIES	*	66	3	2
E PERFORMING BULK STORAGE OR SERVICE STATION ACTIVITIES	*	1	1	1
F PERFORMING FUELS DISTRIBUTION ACTIVITIES	1	2	*	1
G PERFORMING CRYOGENIC PRODUCTION OR STORAGE ACTIVITIES	1	1	58	1
H PERFORMING COMPLIANCE ACTIVITIES	1	1	1	31
I PERFORMING ENVIRONMENTAL ACTIVITIES	*	1	1	9
J PERFORMING FLIGHT ADMINISTRATION OR LOCAL AREA NETWORK (LAN) ACTIVITIES	7	1	3	4
K PERFORMING MOBILITY AND CONTINGENCY ACTIVITIES	20	2	2	2
L PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES	13	2	5	31
M PERFORMING TRAINING ACTIVITIES	42	2	5	3
N PERFORMING GENERAL SUPPLY AND EQUIPMENT ACTIVITIES	7	*	2	1

* Indicates less than 1 percent

TABLE 6 (CONTINUED)

AVERAGE PERCENT TIME SPENT ON DUTIES
BY CAREER LADDER JOBS (AD)

DUTIES	FUELS CONTROLLER JOB (STG271)		FUELS ACCOUNTANT JOB (STG326)		LAN/ COMPUTER SYS. SUPPORT JOB (STG270)		MAJCOM FUNCT. MGR. JOB (STG176)	
A	3		3		1		*	
B	3		1		2		*	
C	73		83		4		8	
D	1		*		0		*	
E	1		*		1		0	
F	3		*		2		0	
G	*		*		*		0	
H	*		*		1		2	
I	*		*		1		*	
J	3		6		74		37	
(LAN) ACTIVITIES								
K	2		1		2		18	
L	8		3		9		30	
M	2		1		2		2	
N	*		*		*		1	

* Indicates less than 1 percent

TABLE 7

AVERAGE PERCENT TIME SPENT ON DUTIES
BY CAREER LADDER JOBS (ANG)

<u>DUTIES</u>	<u>MOBILE DIST. OPS. CLUSTER (STG055)</u>	<u>HYDRANTS/ BULK STORAGE CLUSTER (STG110)</u>	<u>FISC CLUSTER (STG134)</u>	<u>MANAGEMENT/ SUPERVISION CLUSTER (STG141)</u>
A PERFORMING GENERAL FUELS ACTIVITIES	11	8	5	2
B PERFORMING SAFETY ACTIVITIES	22	15	8	8
C PERFORMING RESOURCE CONTROL CENTER (RCC) ACTIVITIES	9	10	19	19
D PERFORMING FUELS LABORATORY ACTIVITIES	3	7	17	2
E PERFORMING BULK STORAGE OR SERVICE STATION ACTIVITIES	9	18	9	2
F PERFORMING FUELS DISTRIBUTION ACTIVITIES	29	17	9	5
G PERFORMING CRYOGENIC PRODUCTION OR STORAGE ACTIVITIES	5	10	7	1
H PERFORMING COMPLIANCE ACTIVITIES	1	2	3	4
I PERFORMING ENVIRONMENTAL ACTIVITIES	1	2	2	2
J PERFORMING FLIGHT ADMINISTRATION OR LOCAL AREA NETWORK (LAN) ACTIVITIES	*	1	4	5
K PERFORMING MOBILITY AND CONTINGENCY ACTIVITIES	6	6	5	9
L PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES	1	2	6	29
M PERFORMING TRAINING ACTIVITIES	1	1	5	9
N PERFORMING GENERAL SUPPLY AND EQUIPMENT ACTIVITIES	1	1	1	3

* Indicates less than 1 percent

TABLE 7 (CONTINUED)

AVERAGE PERCENT TIME SPENT ON DUTIES
BY CAREER LADDER JOBS (ANG)

DUTIES	TRAINING CLUSTER (STG166)	FUELS LAB JOB (STG259)	CRYOGENICS JOB (STG333)	SAFETY/ENV. COMPLIANCE JOB (STG248)
A PERFORMING GENERAL FUELS ACTIVITIES	3	6	11	5
B PERFORMING SAFETY ACTIVITIES	4	7	18	11
C PERFORMING RESOURCE CONTROL CENTER (RCC) ACTIVITIES	1	5	1	5
D PERFORMING FUELS LABORATORY ACTIVITIES	1	59	3	10
E PERFORMING BULK STORAGE OR SERVICE STATION ACTIVITIES	*	3	1	4
F PERFORMING FUELS DISTRIBUTION ACTIVITIES	2	5	5	9
G PERFORMING CRYOGENIC PRODUCTION OR STORAGE ACTIVITIES	1	5	53	6
H PERFORMING COMPLIANCE ACTIVITIES	*	2	0	21
I PERFORMING ENVIRONMENTAL ACTIVITIES	1	1	0	2
J PERFORMING FLIGHT ADMINISTRATION OR LOCAL AREA NETWORK (LAN) ACTIVITIES	3	1	0	0
K PERFORMING MOBILITY AND CONTINGENCY ACTIVITIES	4	3	5	4
L PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES	10	1	2	18
M PERFORMING TRAINING ACTIVITIES	69	1	0	5
N PERFORMING GENERAL SUPPLY AND EQUIPMENT ACTIVITIES	0	*	1	0

* Indicates less than 1 percent

TABLE 7 (CONTINUED)

AVERAGE PERCENT TIME SPENT ON DUTIES
BY CAREER LADDER JOBS (ANG)

DUTIES	FUELS CONTROLLER ACCOUNTANT		FUELS JOB	
	JOB (STG271)	JOB (STG326)	JOB	JOB
A PERFORMING GENERAL FUELS ACTIVITIES	1	3		
B PERFORMING SAFETY ACTIVITIES	9	5		
C PERFORMING RESOURCE CONTROL CENTER (RCC) ACTIVITIES	64	55		
D PERFORMING FUELS LABORATORY ACTIVITIES	*	1		
E PERFORMING BULK STORAGE OR SERVICE STATION ACTIVITIES	4	4		
F PERFORMING FUELS DISTRIBUTION ACTIVITIES	10	5		
G PERFORMING CRYOGENIC PRODUCTION OR STORAGE ACTIVITIES	0	1		
H PERFORMING COMPLIANCE ACTIVITIES	0	0		
I PERFORMING ENVIRONMENTAL ACTIVITIES	0	*		
J PERFORMING FLIGHT ADMINISTRATION OR LOCAL AREA NETWORK (LAN) ACTIVITIES	0	11		
K PERFORMING MOBILITY AND CONTINGENCY ACTIVITIES	1	2		
L PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES	7	2		
M PERFORMING TRAINING ACTIVITIES	3	9		
N PERFORMING GENERAL SUPPLY AND EQUIPMENT ACTIVITIES	0	1		

* Indicates less than 1 percent

TABLE 8

AVERAGE PERCENT TIME SPENT ON DUTIES
BY CAREER LADDER JOBS (AFRC)

DUTIES	MOBILE DIST. OPS. CLUSTER (STG055)	HYDRANTS/ BULK STORAGE CLUSTER (STG110)	FISC CLUSTER (STG134)	MANAGEMENT/ SUPERVISION CLUSTER (STG141)
A PERFORMING GENERAL FUELS ACTIVITIES	11	6	5	1
B PERFORMING SAFETY ACTIVITIES	28	15	9	7
C PERFORMING RESOURCE CONTROL CENTER (RCC) ACTIVITIES	11	9	15	10
D PERFORMING FUELS LABORATORY ACTIVITIES	3	4	20	*
E PERFORMING BULK STORAGE OR SERVICE STATION ACTIVITIES	8	20	8	3
F PERFORMING FUELS DISTRIBUTION ACTIVITIES	24	17	12	5
G PERFORMING CRYOGENIC PRODUCTION OR STORAGE ACTIVITIES	3	7	6	*
H PERFORMING COMPLIANCE ACTIVITIES	1	2	3	6
I PERFORMING ENVIRONMENTAL ACTIVITIES	*	2	2	1
J PERFORMING FLIGHT ADMINISTRATION OR LOCAL AREA NETWORK (LAN) ACTIVITIES	1	2	3	7
K PERFORMING MOBILITY AND CONTINGENCY ACTIVITIES	6	6	5	12
L PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES	1	5	6	34
M PERFORMING TRAINING ACTIVITIES	1	4	5	11
N PERFORMING GENERAL SUPPLY AND EQUIPMENT ACTIVITIES	1	1	1	2

* Indicates less than 1 percent

TABLE 8 (CONTINUED)

AVERAGE PERCENT TIME SPENT ON DUTIES
BY CAREER LADDER JOBS (AFRC)

DUTIES	TRAINING CLUSTER (STG166)	FUELS LAB JOB (STG259)	SAFETY/ENV. COMPLIANCE JOB (STG248)
A PERFORMING GENERAL FUELS ACTIVITIES	1	7	*
B PERFORMING SAFETY ACTIVITIES	7	6	10
C PERFORMING RESOURCE CONTROL CENTER (RCC) ACTIVITIES	7	3	5
D PERFORMING FUELS LABORATORY ACTIVITIES	0	50	3
E PERFORMING BULK STORAGE OR SERVICE STATION ACTIVITIES	5	3	2
F PERFORMING FUELS DISTRIBUTION ACTIVITIES	8	15	3
G PERFORMING CRYOGENIC PRODUCTION OR STORAGE ACTIVITIES	0	2	1
H PERFORMING COMPLIANCE ACTIVITIES	1	0	19
I PERFORMING ENVIRONMENTAL ACTIVITIES	0	0	1
J PERFORMING FLIGHT ADMINISTRATION OR LOCAL AREA NETWORK (LAN) ACTIVITIES	7	0	*
K PERFORMING MOBILITY AND CONTINGENCY ACTIVITIES	5	7	2
L PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES	7	5	47
M PERFORMING TRAINING ACTIVITIES	52	2	6
N PERFORMING GENERAL SUPPLY AND EQUIPMENT ACTIVITIES	0	0	0

* Indicates less than 1 percent

TABLE 8 (CONTINUED)

AVERAGE PERCENT TIME SPENT ON DUTIES
BY CAREER LADDER JOBS (AFRC)

DUTIES	FUELS CONTROLLER JOB (STG271)	FUELS ACCOUNTANT JOB (STG326)	LAN/ COMPUTER SYS. SUPPORT JOB (STG270)
A PERFORMING GENERAL FUELS ACTIVITIES	6	4	4
B PERFORMING SAFETY ACTIVITIES	11	7	17
C PERFORMING RESOURCE CONTROL CENTER (RCC) ACTIVITIES	51	67	18
D PERFORMING FUELS LABORATORY ACTIVITIES	4	0	0
E PERFORMING BULK STORAGE OR SERVICE STATION ACTIVITIES	7	5	10
F PERFORMING FUELS DISTRIBUTION ACTIVITIES	8	4	2
G PERFORMING CRYOGENIC PRODUCTION OR STORAGE ACTIVITIES	1	1	0
H PERFORMING COMPLIANCE ACTIVITIES	*	*	2
I PERFORMING ENVIRONMENTAL ACTIVITIES	2	0	1
J PERFORMING FLIGHT ADMINISTRATION OR LOCAL AREA NETWORK (LAN) ACTIVITIES	5	9	38
K PERFORMING MOBILITY AND CONTINGENCY ACTIVITIES	3	1	1
L PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES	0	*	0
M PERFORMING TRAINING ACTIVITIES	1	1	7
N PERFORMING GENERAL SUPPLY AND EQUIPMENT ACTIVITIES	0	0	0

* Indicates less than 1 percent

TABLE 9

SELECTED BACKGROUND DATA FOR CAREER LADDER JOBS (PERCENT)

	MOBILE DIST. OPS. CLUSTER (STG055)	HYDRANTS/ BULK STORAGE CLUSTER (STG110)	FISC CLUSTER (STG134)	MANAGEMENT/ SUPERVISION CLUSTER (STG141)
TOTAL NUMBER IN GROUP	606	510	295	280
<u>DAFSC DISTRIBUTION</u>				
3E131	57	29	3	0
3E151	40	58	50	45
3E171	3	13	38	46
3E191	0	0	9	9
<u>PAYGRADE DISTRIBUTION</u>				
E1-E3	52	23	2	0
E-4	26	27	7	1
E-5	17	34	36	34
E-6	5	13	32	28
E-7	0	3	17	29
E-8	0	0	6	8
AVERAGE NUMBER OF TASKS PERFORMED	25	80	185	75

TABLE 9 (CONTINUED)

SELECTED BACKGROUND DATA FOR CAREER LADDER JOBS (PERCENT)

	TRAINING CLUSTER (STG166)	FUELS LAB JOB (STG259)	CRYOGENICS JOB (STG333)	SAFETY/ENV. COMPLIANCE JOB (STG248)
TOTAL NUMBER IN GROUP	70	94	56	41
DAFSC DISTRIBUTION				
3E131	4	32	14	0
3E151	59	63	73	15
3E171	37	5	13	80
3E191	0	0	0	5
PAYGRADE DISTRIBUTION				
E1-E3	2	19	4	0
E-4	9	37	41	0
E-5	51	35	36	5
E-6	33	9	14	34
E-7	5	0	5	59
E-8	0	0	0	2
AVERAGE NUMBER OF TASKS PERFORMED	75	66	79	54

TABLE 9 (CONTINUED)

SELECTED BACKGROUND DATA FOR CAREER LADDER JOBS (PERCENT)

	FUELS CONTROLLER JOB (STG271)	FUELS ACCOUNTANT JOB (STG326)	LAN/ COMPUTER SYS. SUPPORT JOB (STG270)	MAJCOM FUNCT. MGR. JOB (STG176)
TOTAL NUMBER IN GROUP	148	133	23	11
<u>DAFSC DISTRIBUTION</u>				
3E131	7	16	5	0
3E151	86	71	65	0
3E171	7	12	30	82
3E191	0	1	0	18
<u>PAYGRADE DISTRIBUTION</u>				
E1-E3	3	5	0	0
E-4	32	32	13	0
E-5	55	46	57	0
E-6	9	14	30	45
E-7	1	2	0	36
E-8	0	1	0	19
AVERAGE NUMBER OF TASKS PERFORMED	44	87	52	50

TABLE 10

SELECTED BACKGROUND DATA FOR AD CAREER LADDER JOBS (PERCENT)

	MOBILE DIST. OPS. CLUSTER (STG055)	HYDRANTS/ BULK STORAGE CLUSTER (STG110)	FISC CLUSTER (STG134)	MANAGEMENT/ SUPERVISION CLUSTER (STG141)
TOTAL NUMBER IN GROUP	454	373	59	253
<u>DAFSC DISTRIBUTION</u>				
3E131	74	39	15	0
3E151	25	52	53	49
3E171	1	9	30	45
3E191	0	0	2	6
<u>PAYGRADE DISTRIBUTION</u>				
E1-E3	68	31	8	0
E-4	25	32	19	2
E-5	6	28	37	37
E-6	1	7	20	30
E-7	0	2	14	25
E-8	0	0	2	6
AVERAGE NUMBER OF TASKS PERFORMED	24	79	85	71

TABLE 10 (CONTINUED)

SELECTED BACKGROUND DATA FOR AD CAREER LADDER JOBS (PERCENT)

	TRAINING CLUSTER (STG166)	FUELS LAB JOB (STG259)	CRYOGENICS JOB (STG333)	SAFETY/ENV. COMPLIANCE JOB (STG248)
TOTAL NUMBER IN GROUP	63	80	54	36
<u>DAFSC DISTRIBUTION</u>				
3E131	5	36	15	0
3E151	59	61	72	11
3E171	36	3	13	83
3E191	0	0	0	6
<u>PAYGRADE DISTRIBUTION</u>				
E1-E3	4	23	4	0
E-4	8	43	41	6
E-5	54	30	35	33
E-6	31	4	14	58
E-7	3	0	6	3
E-8	0	0	0	0
AVERAGE NUMBER OF TASKS PERFORMED	78	67	80	55

TABLE 10 (CONTINUED)

SELECTED BACKGROUND DATA FOR AD CAREER LADDER JOBS (PERCENT)

	FUELS CONTROLLER JOB (STG271)	FUELS ACCOUNTANT JOB (STG326)	LAN/ COMPUTER SYS. SUPPORT JOB (STG270)	MAJCOM FUNCT. MGR. JOB (STG176)
TOTAL NUMBER IN GROUP	135	118	22	11
<u>DAFSC DISTRIBUTION</u>				
3E131	7	17	5	0
3E151	88	75	64	0
3E171	5	8	31	82
3E191	0	0	0	18
<u>PAYGRADE DISTRIBUTION</u>				
E1-E3	4	5	0	0
E-4	34	37	14	0
E-5	55	48	55	0
E-6	7	9	31	45
E-7	0	1	0	36
E-8	0	0	0	19
AVERAGE NUMBER OF TASKS PERFORMED	44	87	49	50

TABLE 11

SELECTED BACKGROUND DATA FOR ANG CAREER LADDER JOBS (PERCENT)

	MOBILE DIST. OPS. CLUSTER (STG055)	HYDRANTS/ BULK STORAGE CLUSTER (STG110)	FISC CLUSTER (STG134)	MANAGEMENT/ SUPERVISION CLUSTER (STG141)
TOTAL NUMBER IN GROUP	115	97	207	14
<u>DAFSC DISTRIBUTION</u>				
3E131	0	0	0	0
3E151	92	75	46	21
3E171	8	24	41	29
3E191	0	1	13	50
<u>PAYGRADE DISTRIBUTION</u>				
E1-E3	6	0	0	0
E-4	30	18	6	0
E-5	51	53	34	14
E-6	12	22	32	14
E-7	1	6	19	43
E-8	0	1	9	29
AVERAGE NUMBER OF TASKS PERFORMED	27	82	191	110

TABLE 11 (CONTINUED)

SELECTED BACKGROUND DATA FOR ANG CAREER LADDER JOBS (PERCENT)

	TRAINING CLUSTER (STG166)	FUELS LAB JOB (STG259)	CRYOGENICS JOB (STG333)	SAFETY/ENV. COMPLIANCE JOB (STG248)
TOTAL NUMBER IN GROUP	5	11	2	3
<u>DAFSC DISTRIBUTION</u>				
3E131	0	0	0	0
3E151	60	73	100	33
3E171	40	27	0	67
3E191	0	0	0	0
<u>PAYGRADE DISTRIBUTION</u>				
E1-E3	0	0	0	0
E-4	20	0	50	0
E-5	40	64	50	20
E-6	20	36	0	50
E-7	20	0	0	20
E-8	0	0	0	10
AVERAGE NUMBER OF TASKS PERFORMED	56	59	51	40

TABLE 11 (CONTINUED)

SELECTED BACKGROUND DATA FOR ANG CAREER LADDER JOBS (PERCENT)

	FUELS CONTROLLER JOB (STG271)	FUELS ACCOUNTANT JOB (STG326)
TOTAL NUMBER IN GROUP	8	10
<u>DAFSC DISTRIBUTION</u>		
3E131	0	0
3E151	75	20
3E171	25	70
3E191	0	10
<u>PAYGRADE DISTRIBUTION</u>		
E1-E3	0	0
E-4	50	0
E-5	50	20
E-6	0	50
E-7	0	20
E-8	0	10
AVERAGE NUMBER OF TASKS PERFORMED	35	92

TABLE 12

SELECTED BACKGROUND DATA FOR AFRC CAREER LADDER JOBS (PERCENT)

	MOBILE DIST. OPS. CLUSTER (STG055)	HYDRANTS/ BULK STORAGE CLUSTER (STG110)	FISC CLUSTER (STG134)	MANAGEMENT/ SUPERVISION CLUSTER (STG141)
TOTAL NUMBER IN GROUP	37	40	29	13
<u>DAFSC DISTRIBUTION</u>				
3E131	19	7	0	0
3E151	73	73	72	0
3E171	8	20	28	77
3E191	0	0	0	23
<u>PAYGRADE DISTRIBUTION</u>				
E1-E3	0	0	0	0
E-4	27	15	0	0
E-5	40	42	48	0
E-6	30	40	41	8
E-7	3	3	11	77
E-8	0	0	0	15
AVERAGE NUMBER OF TASKS PERFORMED	28	87	171	118

TABLE 12 (CONTINUED)

SELECTED BACKGROUND DATA FOR AFRC CAREER LADDER JOBS (PERCENT)

	TRAINING CLUSTER (STG166)	FUELS LAB JOB (STG259)	SAFETY/ENV. COMPLIANCE JOB (STG248)
TOTAL NUMBER IN GROUP	2	3	2
<u>DAFSC DISTRIBUTION</u>			
3E131	0	33	0
3E151	50	67	50
3E171	50	0	50
3E191	0	0	0
<u>PAYGRADE DISTRIBUTION</u>			
E1-E3	0	0	0
E-4	0	33	0
E-5	0	33	0
E-6	100	33	50
E-7	0	0	50
E-8	0	0	0
AVERAGE NUMBER OF TASKS PERFORMED	50	54	46

TABLE 12 (CONTINUED)

SELECTED BACKGROUND DATA FOR AFRC CAREER LADDER JOBS (PERCENT)

	FUELS CONTROLLER JOB (STG271)	FUELS ACCOUNTANT JOB (STG326)	LAN/ COMPUTER SYS. SUPPORT JOB (STG270)
TOTAL NUMBER IN GROUP	5	5	1
<u>DAFSC DISTRIBUTION</u>			
3E131	0	20	0
3E151	80	80	100
3E171	20	0	0
3E191	0	0	0
<u>PAYGRADE DISTRIBUTION</u>			
E1-E3	0	20	0
E-4	0	0	0
E-5	60	40	100
E-6	40	40	0
E-7	0	0	0
E-8	0	0	0
AVERAGE NUMBER OF TASKS PERFORMED	50	80	115

TABLE 13

SPECIALTY JOB COMPARISON BETWEEN CURRENT AND 1995 SURVEYS

CURRENT SURVEY (N=2,498)	1995 SURVEY (N=1,601)
I. Mobile Distribution Operations Cluster	Mobile Distribution Operations Cluster
1. Basic Mobile Distribution Job	Entry-level Distribution Job
2. Mobile Distribution Job	Mobile Distribution Job
3. Fuel Distribution Monitor Job	Mobile Distribution and Quality Control Job
4. Mobile Distribution/Cryogenics Job	Cryogenics Distribution Job
5. Safety/Preventive Maintenance Job	Mobile Distribution Safety and Inspections Job
II. Hydrants/Bulk Storage Cluster	Hydrant Cluster and Storage Cluster
1. Hydrants Job	Hydrant Operator Job
	Hydrant Supervisor Job
2. Initial Bulk Storage Job	Entry-level Fuels Storage Job
3. Bulk Storage Job	Fuels Storage Specialist Job
No corresponding job	Distribution and Storage Job
No corresponding job	Cryogenics Storage Job
III. Flight Information Service Center (FISC) Cluster	No corresponding job or cluster
1. Basic FISC Job	No corresponding job
2. FISC Job	No corresponding job
IV. Management/Supervision Cluster	Management Cluster
1. Flightline Shift Supervisor/NCOIC Job	First-Line Supervisor Job (part)
2. Bulk Storage NCOIC Job	First-Line Supervisor Job (part)
3. Superintendent Job	Shop Chief Job
No corresponding job	Quality Control Inspection Job
V. Training Cluster	Fuels Support Cluster
1. OJT Managers/Schedulers Job	Fuels Support Supervisor Job
2. OJT Job	Fuels Support Technician Job
VI. Fuels Lab Job	Fuel Laboratory Job
VII. Cryogenics Job	Cryogenics Production Job
VIII. Environmental/Safety Compliance Job	No corresponding job
IX. Fuel Controller Job	Fuels Control Center Job
X. Fuel Accountant Job	Fuels Accounting Cluster
No corresponding job	Fuels Accountant Supervisor Job
No corresponding job	Fuels Accountant Job
XI. LAN/Computer Systems Support Job	No corresponding job
XII. MAJCOM Functional Manager Job	No corresponding job
No corresponding job	Tech School Instructor Job

TABLE 14

DISTRIBUTION OF AFSC 2F0X1 AD
SKILL-LEVEL MEMBERS ACROSS CAREER LADDER JOBS (PERCENT)

JOB	3E131 (N=621)	3E151 (N=886)	3E171 (N=303)	3E191 (N=25)
MOBILE DISTRIBUTION OPERATIONS CLUSTER	54	13	1	0
HYDRANTS/BULK STORAGE CLUSTER	23	22	11	0
FISC CLUSTER	1	3	6	4
MANAGEMENT/SUPERVISION CLUSTER	0	14	38	64
TRAINING CLUSTER	*	4	8	0
FUELS LAB JOB	5	6	1	0
CRYOGENICS JOB	1	4	2	0
ENVIRONMENTAL/SAFETY COMPLIANCE JOB	0	*	10	8
FUEL CONTROLLER JOB	2	13	2	0
FUEL ACCOUNTANT JOB	4	10	3	0
LAN/COMPUTER SYSTEMS SUPPORT JOB	*	2	2	0
MAJCOM FUNCTIONAL MANAGER JOB	0	0	3	8
NOT GROUPED	9	8	13	16

* indicates less than one percent

TABLE 15

TIME SPENT ON DUTIES BY MEMBERS OF AFSC 2F0X1 AD
SKILL-LEVEL GROUPS
(RELATIVE PERCENT OF JOB TIME)

DUTIES	DAFSC 2F031 (N=621)	DAFSC 2F051 (N=886)	DAFSC 2F071 (N=303)	DAFSC 2F091 (N=25)
A PERFORMING GENERAL FUELS ACTIVITIES	12	6	3	1
B PERFORMING SAFETY ACTIVITIES	18	10	7	1
C PERFORMING RESOURCE CONTROL CENTER (RCC) ACTIVITIES	13	24	13	8
D PERFORMING FUELS LABORATORY ACTIVITIES	4	5	2	1
E PERFORMING BULK STORAGE OR SERVICE STATION ACTIVITIES	11	7	3	1
F PERFORMING FUELS DISTRIBUTION ACTIVITIES	28	11	4	1
G PERFORMING CRYOGENIC PRODUCTION OR STORAGE ACTIVITIES	4	5	2	*
H PERFORMING COMPLIANCE ACTIVITIES	*	2	6	5
I PERFORMING ENVIRONMENTAL ACTIVITIES	1	2	2	1
J PERFORMING FLIGHT ADMINISTRATION OR LOCAL AREA NETWORK (LAN) ACTIVITIES	1	4	8	7
K PERFORMING MOBILITY AND CONTINGENCY ACTIVITIES	4	5	6	9
L PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES	1	10	32	58
M PERFORMING TRAINING ACTIVITIES	1	7	10	5
N PERFORMING GENERAL SUPPLY AND EQUIPMENT ACTIVITIES	1	2	2	1

* Indicates less than 1 percent

TABLE 16

REPRESENTATIVE TASKS PERFORMED BY DAFSC 2F031 AD PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=621)
B0032	Inspect fire extinguishers	69
A0009	Monitor differential pressure	65
F0263	Perform normal flightline refueling or defueling servicing operations	65
B0042	Perform emergency shutdown procedures on fuels distribution vehicles	63
A0022	Visually inspect fuel samples for water, color, or contaminants	60
B0033	Inspect markings or decals on equipment or facilities	57
F0244	Inspect mobile fuels distribution vehicles	53
F0253	Perform concurrent servicing operations	52
B0048	Utilize personal safety equipment	50
F0262	Perform multisource refueling servicing operations	48
A0006	Investigate fuel gains or losses	44
B0031	Inspect emergency showers	43
A0016	Perform vegetation control	43
B0034	Inspect or fill emergency eyewashes	40
E0230	Perform issue-from-bulk or return-to-bulk operations using mobile refueling vehicles	40
F0266	Perform preventive maintenance on fuels distribution facilities or equipment	39
A0007	Maintain spill prevention and cleanup materials	38
K0436	Inspect fire bottles	38
E0227	Operate fuel bowsers	38
B0043	Perform emergency shutdown procedures on hydrants	38
F0251	Operate hydrant or storage systems to issue, defuel, store, transfer, or receive petroleum products	35
E0224	Operate automatic tank gauges (ATGs)	35
B0028	Ground or bond receipt vessels or conveyances, such as ocean tankers, barges, railway tank cars, or tank trucks	33
F0267	Tow portable equipment	33
C0095	Monitor fuel servicing operations	31
B0037	Maintain personal safety equipment	30
E0228	Operate separators or filters	30
A0011	Operate manual tank gauges	29
B0040	Participate in firefighting training	29
A0013	Perform odor tests on cryogenic products	28
E0233	Perform return-to-bulk operations using fuel bowsers	27
B0045	Perform emergency shutdown procedures on storage facilities	27
F0265	Perform physical inventory/closeout procedures on facilities or equipment, other than cryogenic facilities	27
E0226	Operate bulk storage systems to issue, receive, store, or transfer fuel	27

Average number of tasks performed: 39

TABLE 17

REPRESENTATIVE TASKS PERFORMED BY DAFSC 2F051 AD PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=886)
B0032	Inspect fire extinguishers	58
A0006	Investigate fuel gains or losses	58
B0048	Utilize personal safety equipment	53
B0033	Inspect markings or decals on equipment or facilities	49
B0031	Inspect emergency showers	44
B0037	Maintain personal safety equipment	43
M0551	Conduct on-the-job training (OJT)	40
C0095	Monitor fuel servicing operations	40
A0009	Monitor differential pressure	40
A0022	Visually inspect fuel samples for water, color, or contaminants	39
B0034	Inspect or fill emergency eyewashes	39
L0499	Counsel subordinates concerning personal or professional matters	38
A0007	Maintain spill prevention and cleanup materials	38
F0263	Perform normal flightline refueling or defueling servicing operations	38
B0042	Perform emergency shutdown procedures on fuels distribution vehicles	37
K0432	Don or doff chemical warfare personal protective clothing	37
M0554	Counsel trainees on training progress	36
L0525	Inspect personnel for compliance with military standards	36
C0087	Maintain keys for fuels facilities	35
B0040	Participate in firefighting training	35
A0016	Perform vegetation control	34
L0540	Write or indorse military performance reports	33
K0436	Inspect fire bottles	33
C0072	Direct mobile fueling operations	32
B0036	Maintain hazardous waste spill kits	32
C0070	Direct ground product fueling operations	31
L0497	Conduct supervisory performance feedback sessions	31
L0541	Write recommendations for awards or decorations	31
C0091	Maintain status boards, charts, or graphs	31
K0453	Participate in mobility exercise processing	31
L0518	Evaluate personnel for compliance with performance standards	30
A0010	Operate generators	30
C0140	Review aircraft flying schedules	30
C0073	Direct utilization of fuels equipment	30
C0071	Direct hydrant fueling operations	30
E0227	Operate fuel bowzers	29
F0257	Perform fuels expeditor duties	29
F0253	Perform concurrent servicing operations	29

Average number of tasks performed: 65

TABLE 18

TASKS THAT BEST DIFFERENTIATE BETWEEN AD DAFSC 2F031 AND DAFSC 2F051 PERSONNEL (PERCENT PERFORMING)

TASKS	DAFSC 2F031 (N=621)	DAFSC 2F051 (N=886)	DIFFERENCE
F0263 Perform normal flightline refueling or defueling servicing operations	65	38	27
B0042 Perform emergency shutdown procedures on fuels distribution vehicles	63	37	26
A0009 Monitor differential pressure	65	40	25
F0244 Inspect mobile fuels distribution vehicles	53	28	25
F0253 Perform concurrent servicing operations	52	29	24
F0262 Perform multisource refueling servicing operations	48	27	21
A0022 Visually inspect fuel samples for water, color, or contaminants	60	39	20
F0266 Perform preventive maintenance on fuels distribution facilities or equipment	39	22	17
L0499 Counsel subordinates concerning personal or			
M0554 Counsel trainees on training progress	2	38	-37
L0525 Inspect personnel for compliance with military standards	2	36	-34
L0540 Write or indorse military performance reports	3	36	-33
L0541 Write recommendations for awards or decorations	1	33	-32
L0497 Conduct supervisory performance feedback sessions	*	31	-31
L0518 Evaluate personnel for compliance with performance standards	1	31	-31
M0551 Conduct on-the-job training (OJT)	1	30	-30
L0526 Interpret policies, directives, or procedures for subordinates	11	40	-29
M0566 Evaluate progress of trainees	1	28	-27
L0514 Establish performance standards for subordinates	1	27	-26
L0542 Write replies to inspection reports	1	24	-23
M0544 Brief personnel concerning training programs or matters	*	24	-23
L0510 Develop or establish work schedules	1	23	-22
L0498 Conduct supervisory orientations for newly assigned personnel	1	23	-22
	*	23	-22

TABLE 19

REPRESENTATIVE TASKS PERFORMED BY DAFSC 2F071 PERSONNEL

TASKS	PERCENT MEMBERS PERFORMING (N=303)
L0542 Write replies to inspection reports	72
L0541 Write recommendations for awards or decorations	70
L0540 Write or indorse military performance reports	69
L0525 Inspect personnel for compliance with military standards	69
L0499 Counsel subordinates concerning personal or professional matters	69
L0518 Evaluate personnel for compliance with performance standards	66
L0497 Conduct supervisory performance feedback sessions	65
L0526 Interpret policies, directives, or procedures for subordinates	63
L0501 Determine or establish work assignments or priorities	59
L0495 Conduct self-inspections or self-assessments	57
L0498 Conduct supervisory orientations for newly assigned personnel	57
L0527 Investigate accidents or incidents	56
L0510 Develop or establish work schedules	53
L0514 Establish performance standards for subordinates	51
L0517 Evaluate job hazards or compliance with Air Force Occupational Safety and Health (AFOSH) program	51
B0026 Conduct workcenter job safety training	51
L0519 Evaluate personnel for promotion, demotion, reclassification, or special awards	51
B0032 Inspect fire extinguishers	51
L0535 Schedule personnel for TDY assignments, leaves, or passes	50
L0516 Evaluate inspection report findings or inspection procedures	48
L0500 Determine or establish logistics requirements, such as personnel, equipment, tools, parts, supplies, or workspace	47
B0047 Standardize AF Forms 55 (Employee Safety and Health Record) for flight personnel	47
M0554 Counsel trainees on training progress	45
L0494 Conduct general meetings, such as staff meetings, briefings, conferences, or workshops	44
L0509 Develop or establish work methods or procedures	44
B0048 Utilize personal safety equipment	44
B0040 Participate in firefighting training	43
M0551 Conduct on-the-job training (OJT)	43
L0492 Assign personnel to work areas or duty positions	42
B0033 Inspect markings or decals on equipment or facilities	42
L0523 Initiate actions required due to substandard performance of personnel	42
A0006 Investigate fuel gains or losses	42

Average number of tasks performed: 80

TABLE 20

TASKS THAT BEST DIFFERENTIATE BETWEEN AD DAFSC 2F051 AND 2F071 PERSONNEL (PERCENT PERFORMING)

TASKS	DAFSC 2F051 (N=886)	DAFSC 2F071 (N=303)	DIFFERENCE
A0009 Monitor differential pressure	40	18	22
L0542 Write replies to inspection reports	24	72	-48
L0527 Investigate accidents or incidents	16	56	-40
L0501 Determine or establish work assignments or priorities	20	59	-39
L0516 Evaluate inspection report findings or inspection procedures	9	48	-39
L0541 Write recommendations for awards or decorations	31	70	-39
L0517 Evaluate job hazards or compliance with Air Force Occupational Safety and Health (AFOSH) program	14	51	-37
L0500 Determine or establish logistics requirements, such as personnel, equipment, tools, parts, supplies, or workspace	11	47	-36
L0540 Write or endorse military performance reports	33	69	-36
L0495 Conduct self-inspections or self-assessments	21	57	-36
L0518 Evaluate personnel for compliance with performance standards	30	66	-36
L0526 Interpret policies, directives, or procedures for subordinates	28	63	-35
L0535 Schedule personnel for TDY assignments, leaves, or passes	15	50	-35
L0498 Conduct supervisory orientations for newly assigned personnel	23	57	-34
L0497 Conduct supervisory performance feedback sessions	31	65	-34
L0494 Conduct general meetings, such as staff meetings, briefings, conferences, or workshops	11	44	-33
L0537 Write job or position descriptions	8	41	-33
L0525 Inspect personnel for compliance with military standards	36	69	-33
L0532 Review mobility, contingency, disaster preparedness, or unit emergency or alert plans	7	40	-33
L0536 Write inspection reports	6	38	-32
L0534 Review drafts of supplements or changes to directives, such as policy directives, instructions, or manuals	7	38	-31

TABLE 21

REPRESENTATIVE TASKS PERFORMED BY DAFSC 2F091 AD PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=25)
L0524	Initiate or coordinate plans for future military construction (MILCON) projects	84
L0541	Write recommendations for awards or decorations	80
L0525	Inspect personnel for compliance with military standards	80
L0530	Provide information for future MILCON projects	80
L0540	Write or indorse military performance reports	76
L0526	Interpret policies, directives, or procedures for subordinates	76
L0494	Conduct general meetings, such as staff meetings, briefings, conferences, or workshops	76
L0518	Evaluate personnel for compliance with performance standards	72
L0538	Write staff studies, surveys, or routine reports, other than training or inspection reports	72
L0511	Draft budget requirements, other than FARP	72
L0531	Review budget requirements	72
L0527	Investigate accidents or incidents	72
L0503	Develop fuels support plans	68
L0542	Write replies to inspection reports	68
L0499	Counsel subordinates concerning personal or professional matters	68
L0497	Conduct supervisory performance feedback sessions	68
L0535	Schedule personnel for TDY assignments, leaves, or passes	64
L0519	Evaluate personnel for promotion, demotion, reclassification, or special awards	64
L0523	Initiate actions required due to substandard performance of personnel	64
L0516	Evaluate inspection report findings or inspection procedures	64
L0501	Determine or establish work assignments or priorities	64
L0532	Review mobility, contingency, disaster preparedness, or unit emergency or alert plans	64
L0537	Write job or position descriptions	64
L0534	Review drafts of supplements or changes to directives, such as policy directives, instructions, or manuals	64
L0514	Establish performance standards for subordinates	60
L0512	Draft host-tenant or interservice agreements	60
L0500	Determine or establish logistics requirements, such as personnel, equipment, tools, parts, supplies, or workspace	60
L0492	Assign personnel to work areas or duty positions	60
L0498	Conduct supervisory orientations for newly assigned personnel	60
L0509	Develop or establish work methods or procedures	56
L0502	Develop energy or fuels conservation programs	52

Average number of tasks performed: 69

TABLE 22

TASKS THAT BEST DIFFERENTIATE BETWEEN DAFSC 2F071 AND DAFSC 2F091 AD PERSONNEL (PERCENT PERFORMING)

TASKS	DAFSC 2F071 (N=303)	DAFSC 2F091 (N=25)	DIFFERENCE
B0032	51	8	43
B0048	44	4	40
B0040	43	4	39
B0026	51	16	35
B0033	42	8	34
B0034	35	4	31
B0031	39	8	31
L0495	57	28	29
L0524	25	84	-59
L0511	19	72	-53
L0530	28	80	-52
L0512	12	60	-48
L0538	25	72	-47
L0531	28	72	-44
L0502	14	52	-38
L0507	15	52	-37
L0503	31	68	-37
L0529	16	52	-36
L0513	17	52	-35
L0494	44	76	-32
L0505	18	48	-30

TABLE 23

DISTRIBUTION OF AFSC 2F0X1 ANG
SKILL-LEVEL MEMBERS ACROSS CAREER LADDER JOBS (PERCENT)

JOB	3E151 (N=327)	3E171 (N=148)	3E191 (N=35)
MOBILE DISTRIBUTION OPERATIONS CLUSTER	32	6	0
HYDRANTS/BULK STORAGE CLUSTER	22	16	3
FISC CLUSTER	29	57	74
MANAGEMENT/SUPERVISION CLUSTER	1	4	20
TRAINING CLUSTER	1	1	0
FUELS LAB JOB	2	2	0
CRYOGENICS JOB	1	0	0
ENVIRONMENTAL/SAFETY COMPLIANCE JOB	*	1	0
FUEL CONTROLLER JOB	2	1	0
FUEL ACCOUNTANT JOB	1	5	3
NOT GROUPED	8	7	0

* indicates less than one percent

TABLE 24

TIME SPENT ON DUTIES BY MEMBERS OF AFSC 2F0X1 ANG
SKILL-LEVEL GROUPS
(RELATIVE PERCENT OF JOB TIME)

DUTIES	DAFSC 2F051 (N=327)	DAFSC 2F071 (N=148)	DAFSC 2F091 (N=35)
A PERFORMING GENERAL FUELS ACTIVITIES	9	6	3
B PERFORMING SAFETY ACTIVITIES	15	9	6
C PERFORMING RESOURCE CONTROL CENTER (RCC) ACTIVITIES	14	20	23
D PERFORMING FUELS LABORATORY ACTIVITIES	11	14	6
E PERFORMING BULK STORAGE OR SERVICE STATION ACTIVITIES	10	10	5
F PERFORMING FUELS DISTRIBUTION ACTIVITIES	18	11	4
G PERFORMING CRYOGENIC PRODUCTION OR STORAGE ACTIVITIES	7	6	3
H PERFORMING COMPLIANCE ACTIVITIES	1	3	4
I PERFORMING ENVIRONMENTAL ACTIVITIES	1	1	3
J PERFORMING FLIGHT ADMINISTRATION OR LOCAL AREA NETWORK (LAN) ACTIVITIES	2	3	8
K PERFORMING MOBILITY AND CONTINGENCY ACTIVITIES	6	4	7
L PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES	2	6	19
M PERFORMING TRAINING ACTIVITIES	3	6	6
N PERFORMING GENERAL SUPPLY AND EQUIPMENT ACTIVITIES	1	1	3

* Indicates less than 1 percent

TABLE 25

REPRESENTATIVE TASKS PERFORMED BY DAFSC 2F051 ANG PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=327)
F0263	Perform normal flightline refueling or defueling servicing operations	84
B0042	Perform emergency shutdown procedures on fuels distribution vehicles	81
A0022	Visually inspect fuel samples for water, color, or contaminants	80
F0244	Inspect mobile fuels distribution vehicles	77
B0032	Inspect fire extinguishers	75
B0048	Utilize personal safety equipment	71
A0009	Monitor differential pressure	69
B0033	Inspect markings or decals on equipment or facilities	68
E0230	Perform issue-from-bulk or return-to-bulk operations using mobile refueling vehicles	61
F0266	Perform preventive maintenance on fuels distribution facilities or equipment	61
E0226	Operate bulk storage systems to issue, receive, store, or transfer fuel	59
K0432	Don or doff chemical warfare personal protective clothing	58
B0028	Ground or bond receipt vessels or conveyances, such as ocean tankers, barges, railway tank cars, or tank trucks	57
C0095	Monitor fuel servicing operations	57
F0240	Drain water from required equipment, such as tank trucks or semi-trailers	56
B0034	Inspect or fill emergency eyewashes	54
C0074	Dispatch fuel requests	54
B0031	Inspect emergency showers	54
K0436	Inspect fire bottles	53
E0228	Operate separators or filters	51
A0016	Perform vegetation control	50
B0030	Inspect condition and cleanliness of protective clothing	49
A0013	Perform odor tests on cryogenic products	49
E0218	Inspect bulk storage facilities	49
B0045	Perform emergency shutdown procedures on storage facilities	49
B0037	Maintain personal safety equipment	47
A0007	Maintain spill prevention and cleanup materials	46
F0238	Document inspection forms on refueling equipment	45
C0090	Maintain servicing clipboards for mobile fueling vehicles	45
E0216	Gauge bulk storage tanks for fuel quantity, temperature, or water	44
B0040	Participate in firefighting training	44
E0231	Perform operator maintenance on bulk storage facilities	44
D0167	Draw petroleum samples using in-line samplers	44
C0072	Direct mobile fueling operations	43
G0287	Issue, receive, or transfer cryogenic products	43

Average number of tasks performed: 82

TABLE 26

REPRESENTATIVE TASKS PERFORMED BY DAFSC 2F071 ANG PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=148)
F0263	Perform normal flightline refueling or defueling servicing operations	83
A0022	Visually inspect fuel samples for water, color, or contaminants	78
B0032	Inspect fire extinguishers	78
B0042	Perform emergency shutdown procedures on fuels distribution vehicles	77
C0095	Monitor fuel servicing operations	74
C0074	Dispatch fuel requests	74
F0244	Inspect mobile fuels distribution vehicles	74
A0009	Monitor differential pressure	73
B0048	Utilize personal safety equipment	72
B0033	Inspect markings or decals on equipment or facilities	70
E0230	Perform issue-from-bulk or return-to-bulk operations using mobile refueling vehicles	69
B0031	Inspect emergency showers	69
F0240	Drain water from required equipment, such as tank trucks or semi-trailers	68
E0226	Operate bulk storage systems to issue, receive, store, or transfer fuel	66
F0238	Document inspection forms on refueling equipment	66
E0218	Inspect bulk storage facilities	66
F0266	Perform preventive maintenance on fuels distribution facilities or equipment	65
D0162	Document equipment differential pressures	65
F0257	Perform fuels expeditor duties	64
D0167	Draw petroleum samples using in-line samplers	64
K0432	Don or doff chemical warfare personal protective clothing	64
C0140	Review aircraft flying schedules	64
E0228	Operate separators or filters	64
C0072	Direct mobile fueling operations	62
C0073	Direct utilization of fuels equipment	61
B0028	Ground or bond receipt vessels or conveyances, such as ocean tankers, barges, railway tank cars, or tank trucks	61
C0090	Maintain servicing clipboards for mobile fueling vehicles	61
A0007	Maintain spill prevention and cleanup materials	60
B0034	Inspect or fill emergency eyewashes	59
A0013	Perform odor tests on cryogenic products	58
B0045	Perform emergency shutdown procedures on storage facilities	58
M0551	Conduct on-the-job training (OJT)	57
C0067	Coordinate sampling of fuels equipment with fuels laboratory	57
K0436	Inspect fire bottles	57

Average number of tasks performed: 134

TABLE 27

TASKS THAT BEST DIFFERENTIATE BETWEEN ANG DAFSC 2F051 AND DAFSC 2F071 PERSONNEL (PERCENT PERFORMING)

TASKS	DAFSC 2F051 (N=327)	DAFSC 2F071 (N=148)	DIFFERENCE
M0554	13	46	-32
M0551	27	57	-31
B0026	22	53	-31
H0335	18	47	-30
C0140	34	64	-30
M0566	13	43	-29
L0492	13	42	-29
M0555	9	37	-28
C0087	26	53	-27
C0073	34	61	-27
C0067	32	57	-26
C0110	20	43	-24
H0338	20	44	-24
H0336	17	41	-24
L0525	18	43	-24
L0536	10	34	-24
F0236	31	54	-23
C0064	22	45	-23
L0518	11	34	-23

TABLE 28

REPRESENTATIVE TASKS PERFORMED BY DAFSC 2F091 ANG PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=35)
L0492	Assign personnel to work areas or duty positions	94
L0526	Interpret policies, directives, or procedures for subordinates	91
L0525	Inspect personnel for compliance with military standards	91
L0495	Conduct self-inspections or self-assessments	91
L0499	Counsel subordinates concerning personal or professional matters	89
B0048	Utilize personal safety equipment	89
C0069	Develop emergency action checklists	89
L0527	Investigate accidents or incidents	89
A0006	Investigate fuel gains or losses	89
C0083	Initiate or maintain standby rosters or work center pyramid recall rosters	89
C0140	Review aircraft flying schedules	86
L0518	Evaluate personnel for compliance with performance standards	86
L0519	Evaluate personnel for promotion, demotion, reclassification, or special awards	86
C0095	Monitor fuel servicing operations	86
L0535	Schedule personnel for TDY assignments, leaves, or passes	86
L0542	Write replies to inspection reports	86
L0498	Conduct supervisory orientations for newly assigned personnel	86
B0026	Conduct workcenter job safety training	86
K0432	Don or doff chemical warfare personal protective clothing	86
L0494	Conduct general meetings, such as staff meetings, briefings, conferences, or workshops	86
L0501	Determine or establish work assignments or priorities	83
H0336	Conduct no-notice spot-check inspections of fuels operations	83
L0493	Assign sponsors for newly assigned personnel	83
C0141	Review inventory forms for aviation products	83
L0506	Develop self-inspection or self-assessment program checklists	83
C0087	Maintain keys for fuels facilities	83
B0032	Inspect fire extinguishers	83
C0084	Inventory intrabase radios	83
L0510	Develop or establish work schedules	80
H0335	Conduct inspections of facilities and personnel	80
B0047	Standardize AF Forms 55 (Employee Safety and Health Record) for flight personnel	80
L0541	Write recommendations for awards or decorations	80
M0544	Brief personnel concerning training programs or	80

Average number of tasks performed: 250

TABLE 29

TASKS THAT BEST DIFFERENTIATE BETWEEN ANG DAFSC 2F071 AND DAFSC 2F091 PERSONNEL (PERCENT PERFORMING)

TASKS		DAFSC 2F071 (N=148)	DAFSC 2F091 (N=35)	DIFFERENCE
F0253	Perform concurrent servicing operations	46	26	20
L0535	Schedule personnel for TDY assignments, leaves, or passes	11	86	-75
C0154	Update minimum mission essential vehicle level (MMEVL) letters	5	77	-72
C0083	Initiate or maintain standby rosters or work center pyramid recall rosters	20	89	-69
N0592	Review property custodian authorization/custody receipt listings (CA/CRLs)	12	80	68
J0392	Maintain manning status documents	8	74	-66
K0410	Assign personnel to mobility or contingency positions	9	74	-65
L0493	Assign sponsors for newly assigned personnel	18	83	-65
L0541	Write recommendations for awards or decorations	15	80	-65
L0503	Develop fuels support plans	12	77	65
L0527	Investigate accidents or incidents	24	89	65
L0506	Develop self-inspection or self-assessment program checklists	18	83	-65
L0539	Write or endorse civilian performance appraisals	4	69	65
L0526	Interpret policies, directives, or procedures for subordinates	27	91	-64
L0522	Initiate personnel action requests	11	74	-63
L0498	Conduct supervisory orientations for newly assigned personnel	23	86	-63
K0411	Brief deploying personnel	18	80	62
L0530	Provide information for future MILCON projects	4	66	-62
L0531	Review budget requirements	4	66	-62
C0153	Submit requests for SBSS TRIC authorization	13	74	-61
L0542	Write replies to inspection reports	24	86	-62
C0063	Coordinate fuel contracts with base contracting office of defense energy support center (DESC)	14	74	-60

TABLE 30

DISTRIBUTION OF AFSC 2F0X1 AFRC
SKILL-LEVEL MEMBERS ACROSS CAREER LADDER JOBS (PERCENT)

JOB	3E131 (N=12)	3E151 (N=103)	3E171 (N=35)	3E191 (N=3)
MOBILE DISTRIBUTION OPERATIONS CLUSTER	59	26	9	0
HYDRANTS/BULK STORAGE CLUSTER	25	28	22	0
FISC CLUSTER	0	20	22	0
MANAGEMENT/SUPERVISION CLUSTER	0	0	29	100
TRAINING CLUSTER	0	1	3	0
FUELS LAB JOB	8	2	0	0
ENVIRONMENTAL/SAFETY COMPLIANCE JOB	0	1	3	0
FUEL CONTROLLER JOB	0	4	3	0
FUEL ACCOUNTANT JOB	8	4	0	0
LAN/COMPUTER SYSTEMS SUPPORT JOB	0	1	0	0
NOT GROUPED	0	13	9	0

TABLE 31

TIME SPENT ON DUTIES BY MEMBERS OF AFSC 2F0X1 AFRC
SKILL-LEVEL GROUPS
(RELATIVE PERCENT OF JOB TIME)

DUTIES	DAFSC 2F031 (N=12)	DAFSC 2F051 (N=103)	DAFSC 2F071 (N=35)	DAFSC 2F091 (N=3)
A PERFORMING GENERAL FUELS ACTIVITIES	11	6	5	1
B PERFORMING SAFETY ACTIVITIES	25	16	13	8
C PERFORMING RESOURCE CONTROL CENTER (RCC) ACTIVITIES	17	15	12	9
D PERFORMING FUELS LABORATORY ACTIVITIES	6	8	5	*
E PERFORMING BULK STORAGE OR SERVICE STATION ACTIVITIES	10	12	7	*
F PERFORMING FUELS DISTRIBUTION ACTIVITIES	20	17	9	4
G PERFORMING CRYOGENIC PRODUCTION OR STORAGE ACTIVITIES	2	5	3	*
H PERFORMING COMPLIANCE ACTIVITIES	1	2	4	7
I PERFORMING ENVIRONMENTAL ACTIVITIES	*	1	1	*
J PERFORMING FLIGHT ADMINISTRATION OR LOCAL AREA NETWORK (LAN) ACTIVITIES	1	3	5	4
K PERFORMING MOBILITY AND CONTINGENCY ACTIVITIES	4	6	6	12
L PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES	1	4	18	37
M PERFORMING TRAINING ACTIVITIES	1	4	11	15
N PERFORMING GENERAL SUPPLY AND EQUIPMENT ACTIVITIES	*	1	1	2

* Indicates less than 1 percent

TABLE 32

REPRESENTATIVE TASKS PERFORMED BY DAFSC 2F031 AFRC PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=12)
B0032	Inspect fire extinguishers	92
B0042	Perform emergency shutdown procedures on fuels distribution vehicles	83
B0031	Inspect emergency showers	83
F0244	Inspect mobile fuels distribution vehicles	75
A0022	Visually inspect fuel samples for water, color, or contaminants	75
B0033	Inspect markings or decals on equipment or facilities	75
B0048	Utilize personal safety equipment	58
B0045	Perform emergency shutdown procedures on storage facilities	58
F0263	Perform normal flightline refueling or defueling servicing operations	50
B0034	Inspect or fill emergency eyewashes	50
F0266	Perform preventive maintenance on fuels distribution facilities or equipment	50
B0044	Perform emergency shutdown procedures on service station facilities	50
A0009	Monitor differential pressure	50
F0240	Drain water from required equipment, such as tank trucks or semi-trailers	50
E0218	Inspect bulk storage facilities	50
A0003	Check fuel tank high-level alarms or automatic high-level shutoff valves	42
E0226	Operate bulk storage systems to issue, receive, store, or transfer fuel	42
A0006	Investigate fuel gains or losses	42
A0013	Perform odor tests on cryogenic products	42
E0227	Operate fuel bowzers	42
E0230	Perform issue-from-bulk or return-to-bulk operations using mobile refueling vehicles	42
E0224	Operate automatic tank gauges (ATGs)	42
E0219	Inspect service station facilities	42
K0432	Don or doff chemical warfare personal protective clothing	42
E0228	Operate separators or filters	42
K0455	Perform chemical warfare agent decontamination procedures	42
C0073	Direct utilization of fuels equipment	33
F0251	Operate hydrant or storage systems to issue, defuel, store, transfer, or receive petroleum products	33
C0072	Direct mobile fueling operations	33
B0028	Ground or bond receipt vessels or conveyances, such as ocean tankers, barges, railway tank cars, or tank trucks	33
F0267	Tow portable equipment	33
B0040	Participate in firefighting training	33
K0453	Participate in mobility exercise processing	33
K0463	Perform maintenance on refueling nozzles or related equipment	33
F0254	Perform continuity checks on fuels distribution facilities and equipment	33
A0016	Perform vegetation control	33
A0007	Maintain spill prevention and cleanup materials	33

Average number of tasks performed: 55

TABLE 33

REPRESENTATIVE TASKS PERFORMED BY DAFSC 2F051 AFRC PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=103)
B0032	Inspect fire extinguishers	82
B0042	Perform emergency shutdown procedures on fuels distribution vehicles	79
F0244	Inspect mobile fuels distribution vehicles	77
F0263	Perform normal flightline refueling or defueling servicing operations	76
B0033	Inspect markings or decals on equipment or facilities	69
A0022	Visually inspect fuel samples for water, color, or contaminants	67
B0048	Utilize personal safety equipment	65
B0031	Inspect emergency showers	65
E0226	Operate bulk storage systems to issue, receive, store, or transfer fuel	59
E0230	Perform issue-from-bulk or return-to-bulk operations using mobile refueling vehicles	59
A0009	Monitor differential pressure	57
F0266	Perform preventive maintenance on fuels distribution facilities or equipment	57
E0218	Inspect bulk storage facilities	57
F0253	Perform concurrent servicing operations	55
K0436	Inspect fire bottles	54
B0045	Perform emergency shutdown procedures on storage facilities	54
K0432	Don or doff chemical warfare personal protective clothing	53
B0034	Inspect or fill emergency eyewashes	53
C0095	Monitor fuel servicing operations	52
F0240	Drain water from required equipment, such as tank trucks or semi-trailers	52
E0224	Operate automatic tank gauges (ATGs)	51
E0228	Operate separators or filters	51
B0040	Participate in firefighting training	51
A0013	Perform odor tests on cryogenic products	50
E0227	Operate fuel bowsers	50
E0219	Inspect service station facilities	50
A0006	Investigate fuel gains or losses	47
F0238	Document inspection forms on refueling equipment	45
B0043	Perform emergency shutdown procedures on hydrants	45
F0251	Operate hydrant or storage systems to issue, defuel, store, transfer, or receive petroleum products	44
C0074	Dispatch fuel requests	44
B0028	Ground or bond receipt vessels or conveyances, such as ocean tankers, barges, railway tank cars, or tank trucks	43
B0037	Maintain personal safety equipment	42
E0231	Perform operator maintenance on bulk storage facilities	42
C0072	Direct mobile fueling operations	41
F0242	Inspect hose carts	41

Average number of tasks performed: 76

TABLE 34

TASKS THAT BEST DIFFERENTIATE BETWEEN DAFSC 2F031 AND DAFSC 2F051 AFRC PERSONNEL (PERCENT PERFORMING)

TASKS	DAFSC 2F031 (N=12)	DAFSC 2F051 (N=103)	DIFFERENCE
B0031 Inspect emergency showers	83	65	18
A0003 Check fuel tank high-level alarms or automatic high-level shutoff valves C0095	42	25	16
K0436 Inspect fire bottles	17	54	-38
F0243 Inspect hydrant systems	8	41	-32
B0026 Conduct workcenter job safety training	*	30	-30
F0253 Perform concurrent servicing operations	25	55	-30
B0030 Inspect condition and cleanliness of protective clothing	8	36	-28
B0043 Perform emergency shutdown procedures on hydrants	17	45	-28
F0263 Perform normal flightline refueling or defueling servicing operations	50	76	-26
L0495 Conduct self-inspections or self-assessments	*	25	-25
G0328 Verify AFTO Forms 244 (Industrial/Support Equipment Record) for Red X items	8	32	-24
F0257 Perform fuels expeditor duties	17	41	-24
E0233 Perform return-to-bulk operations using fuel bowzers	17	41	-24
F0248 Isolate contaminated petroleum products found in mobile refueling vehicles	8	31	-23
G0277 Fill cylinders with LOX or liquid nitrogen (LIN)	*	23	-23
D0164 Draw petroleum samples using bomb or weighted bottle samplers	*	20	-20
M0551 Conduct on-the-job training (OJT)	17	36	-19
E0225 Operate bulk storage product recovery systems	17	36	-19
F0247 Isolate contaminated petroleum products found in hydrant systems	*	19	-19

* indicates less than one percent

TABLE 35

REPRESENTATIVE TASKS PERFORMED BY DAFSC 2F071 AFRC PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=35)
B0032	Inspect fire extinguishers	74
C0095	Monitor fuel servicing operations	74
B0048	Utilize personal safety equipment	74
B0042	Perform emergency shutdown procedures on fuels distribution vehicles	74
L0525	Inspect personnel for compliance with military standards	71
B0031	Inspect emergency showers	69
L0499	Counsel subordinates concerning personal or professional matters	69
B0033	Inspect markings or decals on equipment or facilities	66
L0492	Assign personnel to work areas or duty positions	63
F0244	Inspect mobile fuels distribution vehicles	63
L0498	Conduct supervisory orientations for newly assigned personnel	63
K0436	Inspect fire bottles	63
A0006	Investigate fuel gains or losses	63
E0218	Inspect bulk storage facilities	60
E0219	Inspect service station facilities	60
B0034	Inspect or fill emergency eyewashes	57
B0026	Conduct workcenter job safety training	57
L0540	Write or indorse military performance reports	57
A0022	Visually inspect fuel samples for water, color, or contaminants	57
B0047	Standardize AF Forms 55 (Employee Safety and Health Record) for flight personnel	57
L0518	Evaluate personnel for compliance with performance standards	57
L0495	Conduct self-inspections or self-assessments	57
C0058	Complete reporting emergency petroleum, oil, and lubricants (REPOL) reports	57
F0263	Perform normal flightline refueling or defueling servicing operations	57
C0074	Dispatch fuel requests	54
L0541	Write recommendations for awards or decorations	54
M0544	Brief personnel concerning training programs or matters	54
L0497	Conduct supervisory performance feedback sessions	54
M0555	Determine training requirements	54
K0432	Don or doff chemical warfare personal protective clothing	54

Average number of tasks performed: 114

TABLE 36

TASKS THAT BEST DIFFERENTIATE BETWEEN DAFSC 2F051 AND DAFSC 2F071 AFRC PERSONNEL (PERCENT PERFORMING)

TASKS	DAFSC 2F051 (N=103)	DAFSC 2F071 (N=35)	DIFFERENCE
L0492 Assign personnel to work areas or duty positions	9	63	-54
L0498 Conduct supervisory orientations for newly assigned personnel	10	63	-53
L0499 Counsel subordinates concerning personal or professional matters	17	69	-52
L0540 Write or indorse military performance reports	7	57	-50
L0525 Inspect personnel for compliance with military standards	23	71	-48
L0497 Conduct supervisory performance feedback sessions	6	54	-48
L0541 Write recommendations for awards or decorations	8	54	-47
L0501 Determine or establish work assignments or priorities	10	51	-42
L0519 Evaluate personnel for promotion, demotion, reclassification, or special awards	10	51	-42
L0494 Conduct general meetings, such as staff meetings, briefings, conferences, or workshops	7	49	-42
L0527 Investigate accidents or incidents	14	54	-41
L0536 Write inspection reports	14	54	-41
L0514 Establish performance standards for subordinates	8	49	-41
L0493 Assign sponsors for newly assigned personnel	2	43	-41
M0555 Determine training requirements	15	54	-40
C0058 Complete reporting emergency petroleum, oil, and lubricants (REPOL) reports	18	57	-39
M0544 Brief personnel concerning training programs or matters	16	54	-39
L0518 Evaluate personnel for compliance with performance standards	19	57	-38
L0542 Write replies to inspection reports	11	49	-38
L0526 Interpret policies, directives, or procedures for subordinates	15	51	-37
L0510 Develop or establish work schedules	3	40	-37
L0535 Schedule personnel for TDY assignments, leaves, or passes	3	40	-37

TABLE 37

REPRESENTATIVE TASKS PERFORMED BY DAFSC 2F091 PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=3)
L0540	Write or indorse military performance reports	100
L0541	Write recommendations for awards or decorations	100
L0519	Evaluate personnel for promotion, demotion, reclassification, or special awards	100
H0335	Conduct inspections of facilities and personnel	100
L0498	Conduct supervisory orientations for newly assigned personnel	100
H0336	Conduct no-notice spot-check inspections of fuels operations	100
J0385	Initiate requests for TDY orders	100
L0497	Conduct supervisory performance feedback sessions	100
L0494	Conduct general meetings, such as staff meetings, briefings, conferences, or workshops	100
L0499	Counsel subordinates concerning personal or professional matters	100
L0518	Evaluate personnel for compliance with performance standards	100
L0526	Interpret policies, directives, or procedures for subordinates	100
L0525	Inspect personnel for compliance with military standards	100
L0535	Schedule personnel for TDY assignments, leaves, or passes	100
M0551	Conduct on-the-job training (OJT)	100
L0492	Assign personnel to work areas or duty positions	100
L0522	Initiate personnel action requests	100
L0495	Conduct self-inspections or self-assessments	100
L0510	Develop or establish work schedules	100
L0493	Assign sponsors for newly assigned personnel	100
C0095	Monitor fuel servicing operations	100
K0432	Don or doff chemical warfare personal protective clothing	100
K0455	Perform chemical warfare agent decontamination procedures	100
L0503	Develop fuels support plans	100
L0537	Write job or position descriptions	100
L0523	Initiate actions required due to substandard performance of personnel	100
L0527	Investigate accidents or incidents	100
H0334	Conduct fraud, waste, and abuse inspections	100
L0506	Develop self-inspection or self-assessment program checklists	100
K0417	Conduct mobility or deployment site surveys	100
C0072	Direct mobile fueling operations	67
B0047	Standardize AF Forms 55 (Employee Safety and Health Record) for flight personnel	67

Average number of tasks performed: 123

TABLE 38

TASKS THAT BEST DIFFERENTIATE BETWEEN DAFSC 2F071 AND DAFSC 2F091 PERSONNEL (PERCENT PERFORMING)

TASKS	DAFSC 2F071 (N=35)	DAFSC 2F091 (N=3)	DIFFERENCE
E0219 Inspect service station facilities	60	*	60
E0218 Inspect bulk storage facilities	60	*	60
E0226 Operate bulk storage systems to issue, receive, store, or transfer fuel	54	*	54
E0230 Perform issue-from-bulk or return-to-bulk operations using mobile refueling vehicles	51	*	51
F0253 Perform concurrent servicing operations	49	*	49
E0228 Operate separators or filters	49	*	49
E0213 Document bulk storage systems issue, receipt, storage, or transfer of fuel	46	*	46
B0045 Perform emergency shutdown procedures on storage facilities	46	*	46
E0216 Gauge bulk storage tanks for fuel quantity, temperature, or water	46	*	46
F0243 Inspect hydrant systems	43	*	43
E0224 Operate automatic tank gauges (ATGs)	43	*	43
E0231 Perform operator maintenance on bulk storage facilities	40	*	40
H0334 Conduct fraud, waste, and abuse inspections	23	100	-77
L0523 Initiate actions required due to substandard performance of personnel	26	100	-74
L0503 Develop fuels support plans	29	100	-71
L0537 Write job or position descriptions	29	100	-71
K0417 Conduct mobility or deployment site surveys	31	100	-69
L0522 Initiate personnel action requests	31	100	-69
L0506 Develop self-inspection or self-assessment program checklists	34	100	-66
K0478 Provide fuels management team (FMT) with monthly status updates	6	67	-61
L0535 Schedule personnel for TDY assignments, leaves, or passes	40	100	-60
L0510 Develop or establish work schedules	40	100	-60
K0426 Coordinate specific source of personnel requirements with appropriate agencies	9	67	-58

TABLE 39

RELATIVE PERCENT OF TIME SPENT ACROSS DUTIES BY
FIRST-ENLISTMENT (1-48 MONTHS TAFMS) AFSC 2F0X1 AD PERSONNEL

DUTIES		PERCENT TIME SPENT
A	PERFORMING GENERAL FUELS ACTIVITIES	13
B	PERFORMING SAFETY ACTIVITIES	18
C	PERFORMING RESOURCE CONTROL CENTER (RCC) ACTIVITIES	11
D	PERFORMING FUELS LABORATORY ACTIVITIES	5
E	PERFORMING BULK STORAGE OR SERVICE STATION ACTIVITIES	11
F	PERFORMING FUELS DISTRIBUTION ACTIVITIES	28
G	PERFORMING CRYOGENIC PRODUCTION OR STORAGE ACTIVITIES	4
H	PERFORMING COMPLIANCE ACTIVITIES	*
I	PERFORMING ENVIRONMENTAL ACTIVITIES	1
J	PERFORMING FLIGHT ADMINISTRATION OR LOCAL AREA NETWORK (LAN) ACTIVITIES	1
K	PERFORMING MOBILITY AND CONTINGENCY ACTIVITIES	5
L	PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES	*
M	PERFORMING TRAINING ACTIVITIES	1
N	PERFORMING GENERAL SUPPLY AND EQUIPMENT ACTIVITIES	1

* Indicates less than 1 percent

TABLE 40

REPRESENTATIVE TASKS PERFORMED BY FIRST ENLISTMENT (1-48 MONTHS TAFMS)
AD PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=625)
B0032	Inspect fire extinguishers	69
F0263	Perform normal flightline refueling or defueling servicing operations	65
A0009	Monitor differential pressure	65
B0042	Perform emergency shutdown procedures on fuels distribution vehicles	63
A0022	Visually inspect fuel samples for water, color, or contaminants	61
B0033	Inspect markings or decals on equipment or facilities	58
F0244	Inspect mobile fuels distribution vehicles	53
F0253	Perform concurrent servicing operations	53
B0048	Utilize personal safety equipment	50
F0262	Perform multisource refueling servicing operations	49
A0006	Investigate fuel gains or losses	44
B0031	Inspect emergency showers	43
A0016	Perform vegetation control	43
F0266	Perform preventive maintenance on fuels distribution facilities or equipment	40
E0230	Perform issue-from-bulk or return-to-bulk operations using mobile refueling vehicles	39
B0034	Inspect or fill emergency eyewashes	39
A0007	Maintain spill prevention and cleanup materials	39
E0227	Operate fuel bowzers	38
K0436	Inspect fire bottles	38
B0043	Perform emergency shutdown procedures on hydrants	37
F0251	Operate hydrant or storage systems to issue, defuel, store, transfer, or receive petroleum products	35
E0224	Operate automatic tank gauges (ATGs)	35
F0267	Tow portable equipment	34
B0028	Ground or bond receipt vessels or conveyances, such as ocean tankers, barges, railway tank cars, or tank trucks	34
C0095	Monitor fuel servicing operations	31
B0037	Maintain personal safety equipment	30
B0040	Participate in firefighting training	28
A0011	Operate manual tank gauges	28
A0013	Perform odor tests on cryogenic products	28
E0233	Perform return-to-bulk operations using fuel bowzers	28
E0226	Operate bulk storage systems to issue, receive, store, or transfer fuel	27
B0045	Perform emergency shutdown procedures on storage facilities	27
F0265	Perform physical inventory/closeout procedures on facilities or equipment, other than cryogenic facilities	27
F0243	Inspect hydrant systems	27
C0076	Download transactions from automated C-300 tank trucks	26

Average number of tasks performed: 39

TABLE 41

EQUIPMENT, SYSTEMS, AND VEHICLES USED OR OPERATED BY AD
FIRST-ENLISTMENT AFSC 2F0X1 PERSONNEL (PERCENT MAINTAINING)

EQUIPMENT	1ST ENL (N=625)
R-11 Tank Truck	87
C-300 Tank Truck	76
Fuel Bowser	64
Spill Kit	58
Automatic Tank Gauge	51
Gauging Tape and Bob	48
R-12 Hydrant Servicing Vehicle	45
Type III (Phillips) Hydrant System	44
Lawnmower	35
Hose Cart (HVC)	33
Intrabase Radio	33
Weedeater	33
Type II (Prit/Mod Prit) Hydrant System	31
C-301 Tank Truck	31
Tool Kit	27
R-9 Tank Truck	27
Generator	22
Air Compressor	25
Thermometer	20
Bacon Bomb Sampler	18
Bulk Cryotainer	18
In-line Sampler	18
Type I (Panero/Mod Panero) Hydrant System	18
Water Bowser	17
Multimeter	17
Jack Stand	17
Bottle Method Testing Equipment	16

TABLE 42

EXAMPLES OF AFSC 2F0X1 TASKS WITH HIGHEST TRAINING EMPHASIS RATINGS
(PERCENT MEMBERS PERFORMING)

TASKS	TNG EMP	1-24		1-48		3-		5-	
		MOS	TAFMS	MOS	TAFMS	SKL	LVL	SKL	LVL
B42 Perform emergency shutdown procedures on fuels distribution vehicles	7.43	71		63		63		37	
F263 Perform normal flightline refueling and defueling servicing operations	7.30	74		65		65		38	
B45 Perform emergency shutdown procedures on storage facilities	7.20	25		27		27		21	
A22 Visually inspect fuel samples for water, color, or contaminants	7.10	66		61		60		39	
B43 Perform emergency shutdown procedures on hydrants	7.05	36		37		38		27	
F244 Inspect mobile fuels distribution vehicles	6.88	63		53		53		28	
B44 Perform emergency shutdown procedures on service station facilities	6.57	20		23		23		19	
B48 Utilize personal safety equipment	6.45	46		50		50		53	
E218 Inspect bulk storage facilities	6.35	21		23		23		21	
E219 Inspect service station facilities	6.30	20		22		22		20	
E226 Operate bulk storage systems to issue, receive, store, or transfer fuel	6.22	24		27		27		24	
F243 Inspect hydrant systems	6.18	27		27		25		19	
F251 Operate hydrant or storage systems to issue, defuel, store, transfer, or receive petroleum products	6.18	32		35		35		24	
A9 Monitor differential pressure	6.15	69		65		65		40	
F266 Perform preventive maintenance on fuels distribution facilities or equipment	6.15	43		40		39		22	
A6 Investigate fuel gains or losses	6.07	37		44		44		58	
F242 Inspect hose carts	6.00	25		23		23		11	
E225 Operate bulk storage product recovery systems	5.90	16		18		18		18	
B28 Ground or bond receipt vessels or conveyances, such as ocean tankers, barges, railway tank cars, or tank trucks	5.90	37		34		33		21	
E216 Gauge bulk storage tanks for fuel quantity, temperature, or water	5.88	20		24		24		22	
B32 Inspect fire extinguishers	5.88	74		69		69		58	

TE MEAN = 1.80; S.D. = 1.68; HIGH = 3.48

TABLE 43

EXAMPLES OF AFSC 2F0X1 TASKS WITH HIGHEST TASK DIFFICULTY RATINGS
(PERCENT MEMBERS PERFORMING)

TASKS	TSK DIF	1-24		1-48		3-		5-	
		MOS	TAFMS	MOS	TAFMS	SKL	LVL	SKL	LVL
J407	7.39	0		1		2		7	
J408	7.26	0		1		1		10	
J387	7.23	1		1		1		6	
J406	7.15	0		1		1		9	
J374	7.06	1		1		1		7	
J405	7.06	0		1		1		8	
J373	6.98	1		2		2		8	
C59	6.89	0		1		1		9	
L512	6.80	0		0		0		1	
C58	6.79	2		4		4		18	
J372	6.66	1		1		1		5	
J388	6.55	1		1		2		9	
C151	6.54	1		2		2		7	
L513	6.48	0		0		0		3	
J386	6.41	1		2		2		9	
C148	6.39	0		3		3		10	
J375	6.37	1		1		1		8	
C55	6.36	1		2		2		8	
L524	6.33	0		0		0		2	

TD MEAN = 5.00; S.D. = 1.00; HIGH = 6.00

TABLE 44

STS ELEMENTS NOT SUPPORTED BY 2F0X1 OSR DATA

<u>TASKS</u>	<u>TNG</u> <u>EMP</u>	PERCENT PERFORMING		<u>TSK</u> <u>DIF</u>
		1-24 MOS <u>TAFMS</u>	1-48 MOS <u>TAFMS</u>	
7.a.(5) Operate product recovery system 2b				
E0225 Operate bulk storage recovery systems	5.90	16	18	4.00
I0363 Prevent drainage of water contaminated with petroleum products	3.47	10	11	4.70
8.a.(3)(a) Refueling units 2b				
K0463 Perform maintenance on refueling nozzles or related equipment	3.08	18	16	4.84
8.a.(3)(b) Hydrant servicing units 2b				
F0250 Maintain pits or low point drains	4.03	17	17	3.81
K0463 Perform maintenance on refueling nozzles or related equipment	3.08	18	16	4.84

TE MEAN = 1.80; SD = 1.68

TD MEAN = 5.00; SD = 1.00

TABLE 45

EXAMPLE TASKS PERFORMED BY 20 PERCENT OR MORE AD
2F0X1 MEMBERS AND NOT REFERENCED TO THE STS (PERCENT PERFORMING)

<u>TASKS</u>	<u>TNG</u> <u>EMP</u>	<u>1-24 MOS</u> <u>TAFMS</u>	<u>1-48 MOS</u> <u>TAFMS</u>	<u>3-SKILL</u> <u>LEVEL</u>	<u>TSK</u> <u>DIF</u>
A0006 Investigate fuel gains or losses	6.07	37	44	44	4.53
A0007 Maintain spill prevention and cleanup materials	4.70	39	39	38	2.98
A0010 Operate generators	3.62	17	22	22	3.39
A0011 Operate manual tank gauges	5.65	21	28	29	2.16
B0040 Participate in firefighting training	3.80	26	28	29	2.42
B0044 Perform emergency shutdown procedures on service station facilities	6.57	20	23	23	3.29
C0070 Direct ground product fueling operations	1.83	20	18	18	4.22
C0072 Direct mobile fueling operations	2.25	20	19	19	4.49
C0076 Download transactions from automated C-3000 tank trucks	2.70	28	26	25	4.53
E0219 Inspect service station facilities	6.30	20	22	22	4.12
E0223 Operate automated service stations to issue, receive, store, or transfer fuel	5.65	19	21	21	3.98
E0228 Operate separators or filters	5.22	28	29	30	3.67
E0229 Perform dike draining activities	4.70	20	23	22	3.12

TABLE 46

COMPARISON OF JOB SATISFACTION INDICATORS
TO 1998 COMPARABLE SAMPLE BY TAFMS GROUPS
(PERCENT MEMBERS RESPONDING)

	1-48 MOS TAFMS		49-96 MOS TAFMS		97+ MOS TAFMS	
	1999	COMP	1999	COMP	1999	COMP
	2F0X1	SAMPLE	2F0X1	SAMPLE	2F0X1	SAMPLE
	(N=625)	(N=5,173)	(N=328)	(N=3,300)	(N=881)	(N=9,078)
<u>EXPRESSED JOB INTEREST</u>						
INTERESTING	53	67	55	67	71	73
SO-SO	25	19	25	19	18	17
DULL	22	14	20	14	11	10
<u>PERCEIVED USE OF TALENTS</u>						
FAIRLY WELL TO PERFECT	57	75	65	77	85	82
NONE TO VERY LITTLE	43	25	35	23	15	18
<u>PERCEIVED USE OF TRAINING</u>						
FAIRLY WELL TO PERFECT	91	84	86	78	89	76
NONE TO VERY LITTLE	9	16	14	22	11	24
<u>SENSE OF ACCOMPLISHMENT FROM JOB</u>						
SATISFIED	55	66	57	65	74	69
NEUTRAL	25	17	22	14	12	12
DISSATISFIED	20	17	21	21	14	19
<u>REENLISTMENT INTENTIONS</u>						
YES OR PROBABLY YES	53	49	61	61	69	69
NO OR PROBABLY NO	47	51	39	39	11	10
WILL RETIRE	N/A	N/A	N/A	N/A	20	21

TABLE 47

COMPARISON OF JOB SATISFACTION INDICATORS
BETWEEN 1999 AND 1995 SURVEYS BY TAFMS GROUPS
(PERCENT MEMBERS RESPONDING)

	<u>1-48 MOS TAFMS</u>		<u>49-96 MOS TAFMS</u>		<u>97+ MOS TAFMS</u>	
	1999	1995	1999	1995	1999	1995
	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE
	(N=625)	(N=503)	(N=328)	(N=406)	(N=881)	(N=692)
<u>EXPRESSED JOB INTEREST</u>						
INTERESTING	53	56	55	59	71	72
SO-SO	25	26	25	24	18	18
DULL	22	18	20	17	11	9
<u>PERCEIVED USE OF TALENTS</u>						
FAIRLY WELL TO PERFECT	57	56	65	68	85	82
NONE TO VERY LITTLE	43	44	35	32	15	18
<u>PERCEIVED USE OF TRAINING</u>						
FAIRLY WELL TO PERFECT	91	94	86	88	89	87
NONE TO VERY LITTLE	9	6	14	12	11	13
<u>SENSE OF ACCOMPLISHMENT FROM JOB</u>						
SATISFIED	55	59	57	65	74	73
NEUTRAL	25	25	22	17	12	11
DISSATISFIED	20	16	21	18	14	17
<u>REENLISTMENT INTENTIONS</u>						
YES OR PROBABLY YES	53	67	61	79	69	75
NO OR PROBABLY NO	47	33	39	21	11	8
WILL RETIRE	N/A	0	N/A	0	20	17

TABLE 48

JOB SATISFACTION INDICATORS FOR
IDENTIFIED JOB GROUPS AND CLUSTERS (PERCENT MEMBERS RESPONDING)
(AD)

	MOBILE DIST. OPS. CLUSTER (STG055)	HYDRANTS/ BULK STORAGE CLUSTER (STG110)	FISC CLUSTER (STG134)	MANAGEMENT/ SUPERVISION CLUSTER (STG141)
<u>EXPRESSED JOB INTEREST</u>				
INTERESTING	50	58	69	69
SO-SO	26	24	21	19
DULL	24	18	10	12
<u>PERCEIVED USE OF TALENTS</u>				
FAIRLY WELL TO PERFECT	53	73	81	82
NONE TO VERY LITTLE	47	27	19	18
<u>PERCEIVED USE OF TRAINING</u>				
FAIRLY WELL TO PERFECT	88	91	90	91
NONE TO VERY LITTLE	12	9	10	9
<u>SENSE OF ACCOMPLISHMENT FROM JOB</u>				
SATISFIED	53	61	76	70
NEUTRAL	27	20	15	14
DISSATISFIED	20	19	9	16
<u>REENLISTMENT INTENTIONS</u>				
YES OR PROBABLY YES	54	61	66	62
NO OR PROBABLY NO	45	33	22	9
WILL RETIRE	1	6	12	29

TABLE 48 (CONTINUED)

JOB SATISFACTION INDICATORS FOR
IDENTIFIED JOB GROUPS AND CLUSTERS (PERCENT MEMBERS RESPONDING)
(AD)

	TRAINING CLUSTER (STG166)	FUELS LAB JOB (STG259)	CRYOGENICS JOB (STG333)	SAFETY/ENV. COMPLIANCE JOB (STG248)
<u>EXPRESSED JOB INTEREST</u>				
INTERESTING	70	83	78	83
SO-SO	17	14	15	14
DULL	13	3	7	3
<u>PERCEIVED USE OF TALENTS</u>				
FAIRLY WELL TO PERFECT	76	90	87	97
NONE TO VERY LITTLE	24	10	13	3
<u>PERCEIVED USE OF TRAINING</u>				
FAIRLY WELL TO PERFECT	84	97	91	89
NONE TO VERY LITTLE	16	3	9	11
<u>SENSE OF ACCOMPLISHMENT</u>				
FROM JOB				
SATISFIED	76	81	76	83
NEUTRAL	10	13	11	3
DISSATISFIED	14	6	13	14
<u>REENLISTMENT INTENTIONS</u>				
YES OR PROBABLY YES	68	78	67	64
NO OR PROBABLY NO	16	21	24	3
WILL RETIRE	16	1	9	33

TABLE 48 (CONTINUED)

JOB SATISFACTION INDICATORS FOR
IDENTIFIED JOB GROUPS AND CLUSTERS (PERCENT MEMBERS RESPONDING)
(AD)

	FUELS CONTROLLER JOB (STG271)	FUELS ACCOUNTANT JOB (STG326)	LAN/ COMPUTER SYS. SUPPORT JOB (STG270)	MAJCOM FUNCT. MGR. JOB (STG176)
<u>EXPRESSED JOB INTEREST</u>				
INTERESTING	60	73	82	100
SO-SO	22	19	13	0
DULL	18	8	5	0
<u>PERCEIVED USE OF TALENTS</u>				
FAIRLY WELL TO PERFECT	76	89	86	100
NONE TO VERY LITTLE	24	11	14	0
<u>PERCEIVED USE OF TRAINING</u>				
FAIRLY WELL TO PERFECT	90	95	73	100
NONE TO VERY LITTLE	10	5	27	0
<u>SENSE OF ACCOMPLISHMENT</u>				
FROM JOB				
SATISFIED	66	75	73	100
NEUTRAL	11	17	18	0
DISSATISFIED	23	8	9	0
<u>REENLISTMENT INTENTIONS</u>				
YES OR PROBABLY YES	73	72	73	73
NO OR PROBABLY NO	20	24	9	9
WILL RETIRE	7	4	18	18

TABLE 49

JOB SATISFACTION INDICATORS FOR
IDENTIFIED JOB GROUPS AND CLUSTERS (PERCENT MEMBERS RESPONDING)
(ANG)

	MOBILE DIST. OPS. CLUSTER (STG055)	HYDRANTS/ BULK STORAGE CLUSTER (STG110)	FISC CLUSTER (STG134)	MANAGEMENT/ SUPERVISION CLUSTER (STG141)
<u>EXPRESSED JOB INTEREST</u>				
INTERESTING	75	85	86	93
SO-SO	15	11	11	7
DULL	10	4	3	0
<u>PERCEIVED USE OF TALENTS</u>				
FAIRLY WELL TO PERFECT	75	87	92	93
NONE TO VERY LITTLE	25	13	8	7
<u>PERCEIVED USE OF TRAINING</u>				
FAIRLY WELL TO PERFECT	89	94	96	100
NONE TO VERY LITTLE	11	6	4	0
<u>SENSE OF ACCOMPLISHMENT FROM JOB</u>				
SATISFIED	72	81	84	93
NEUTRAL	19	14	8	7
DISSATISFIED	9	5	8	0

TABLE 49 (CONTINUED)

JOB SATISFACTION INDICATORS FOR
IDENTIFIED JOB GROUPS AND CLUSTERS (PERCENT MEMBERS RESPONDING)
(ANG)

	TRAINING CLUSTER (STG166)	FUELS LAB JOB (STG259)	CRYOGENICS JOB (STG333)	SAFETY/ENV. COMPLIANCE JOB (STG248)
<u>EXPRESSED JOB INTEREST</u>				
INTERESTING	80	100	100	100
SO-SO	20	0	0	0
DULL	0	0	0	0
<u>PERCEIVED USE OF TALENTS</u>				
FAIRLY WELL TO PERFECT	60	91	100	100
NONE TO VERY LITTLE	40	9	0	0
<u>PERCEIVED USE OF TRAINING</u>				
FAIRLY WELL TO PERFECT	100	100	100	100
NONE TO VERY LITTLE	0	0	0	0
<u>SENSE OF ACCOMPLISHMENT FROM JOB</u>				
SATISFIED	60	91	100	100
NEUTRAL	40	9	0	0
DISSATISFIED	0	0	0	0

TABLE 49 (CONTINUED)

JOB SATISFACTION INDICATORS FOR
IDENTIFIED JOB GROUPS AND CLUSTERS (PERCENT MEMBERS RESPONDING)
(ANG)

	FUELS CONTROLLER JOB (STG271)	FUELS ACCOUNTANT JOB (STG326)
<u>EXPRESSED JOB INTEREST</u>		
INTERESTING	88	80
SO-SO	12	10
DULL	0	10
<u>PERCEIVED USE OF TALENTS</u>		
FAIRLY WELL TO PERFECT	100	90
NONE TO VERY LITTLE	0	10
<u>PERCEIVED USE OF TRAINING</u>		
FAIRLY WELL TO PERFECT	87	100
NONE TO VERY LITTLE	13	0
<u>SENSE OF ACCOMPLISHMENT FROM JOB</u>		
SATISFIED	100	80
NEUTRAL	0	10
DISSATISFIED	0	10

TABLE 50

JOB SATISFACTION INDICATORS FOR
IDENTIFIED JOB GROUPS AND CLUSTERS (PERCENT MEMBERS RESPONDING)
(AFRC)

	MOBILE DIST. OPS. CLUSTER (STG055)	HYDRANTS/ BULK STORAGE CLUSTER (STG110)	FISC CLUSTER (STG134)	MANAGEMENT/ SUPERVISION CLUSTER (STG141)
<u>EXPRESSED JOB INTEREST</u>				
INTERESTING	73	83	79	77
SO-SO	19	12	14	23
DULL	8	5	7	0
<u>PERCEIVED USE OF TALENTS</u>				
FAIRLY WELL TO PERFECT	68	87	90	100
NONE TO VERY LITTLE	32	13	10	0
<u>PERCEIVED USE OF TRAINING</u>				
FAIRLY WELL TO PERFECT	84	90	97	92
NONE TO VERY LITTLE	16	10	3	8
<u>SENSE OF ACCOMPLISHMENT FROM JOB</u>				
SATISFIED	68	80	83	62
NEUTRAL	16	12	10	23
DISSATISFIED	16	8	7	15

TABLE 50 (CONTINUED)

JOB SATISFACTION INDICATORS FOR
IDENTIFIED JOB GROUPS AND CLUSTERS (PERCENT MEMBERS RESPONDING)
(AFRC)

	TRAINING CLUSTER (STG166)	FUELS LAB JOB (STG259)	SAFETY/ENV. COMPLIANCE JOB (STG248)
<u>EXPRESSED JOB INTEREST</u>			
INTERESTING	50	33	100
SO-SO	0	0	0
DULL	50	67	0
<u>PERCEIVED USE OF TALENTS</u>			
FAIRLY WELL TO PERFECT	50	100	100
NONE TO VERY LITTLE	50	0	0
<u>PERCEIVED USE OF TRAINING</u>			
FAIRLY WELL TO PERFECT	100	100	100
NONE TO VERY LITTLE	0	0	0
<u>SENSE OF ACCOMPLISHMENT FROM JOB</u>			
SATISFIED	50	33	50
NEUTRAL	50	33	0
DISSATISFIED	0	33	50

TABLE 50 (CONTINUED)

JOB SATISFACTION INDICATORS FOR
IDENTIFIED JOB GROUPS AND CLUSTERS (PERCENT MEMBERS RESPONDING)
(AFRC)

	FUELS CONTROLLER JOB (STG271)	FUELS ACCOUNTANT JOB (STG326)	LAN/ COMPUTER SYS. SUPPORT JOB (STG270)
<u>EXPRESSED JOB INTEREST</u>			
INTERESTING	60	60	100
SO-SO	40	20	0
DULL	0	20	0
<u>PERCEIVED USE OF TALENTS</u>			
FAIRLY WELL TO PERFECT	100	80	100
NONE TO VERY LITTLE	0	20	0
<u>PERCEIVED USE OF TRAINING</u>			
FAIRLY WELL TO PERFECT	100	100	100
NONE TO VERY LITTLE	0	0	0
<u>SENSE OF ACCOMPLISHMENT FROM JOB</u>			
SATISFIED	40	40	0
NEUTRAL	60	20	0
DISSATISFIED	0	40	100